

ORDIN DE PLATA NR.: 92

TIP.DOC. 1

DATA EMITERII: 23 decembrie 2021

PLATITI: 60000-00

LEI: Sasezeci Mii lei 00 bani

PLATITOR: (R) S.C. "OXIVI
T-MED" S.R.L.

CONTUL DE PLATI/CODUL IBAN
MD44ML000000002251729503
CODUL FISCAL :1007600044280 /

PRESTATORUL PLATITOR

CODUL BANCII:

BC"Moldindconbank"S.A. suc."Invest" Chisinau

:MOLMD2X329

BENEFICIAR (R) Centrul pen
tru Achizi?ii Publice Central
izate in Sanatate

CONTUL DE PLATI/CODUL IBAN
MD23TRPCCC518430B01859AA
CODUL FISCAL :1016601000212 /

PRESTATORUL BENEFICIAR

CODUL BANCII:

Ministerul Finantelor - Trezoreria de Stat

:TREZMD2X

DESTINATIA PLATII:/P102/60000,00 Pentru :
garantia pentru oferta la procedura de a:
chizi?ie publica nr. ocds-b3wdp1-MD-163:
7662634381 din 24.12.2021

TIPUL TRANSFERULUI
NORMAL/URGENT :N

L.S.

CODUL TRANZACTIEI:101:

DATA PRIMIRII:23/12/2021

SEMNETURILE

DATA EXECUTARII:

EMITENTULUI

CONDUCATOR:Web Kojevnikov Dmitrii

MIIGfAYJKoZIhvcNAQcCoIIGbTCCBmkCAQExCzAJBgUrDgMCGGUAMAsGCSqGSIB3:
DQEHAACCBIIUwggSBMIIDaaADAgECAhNHAACEjCA/4xcrKCbfAAAAAISMMA0GCSqG:
SIB3DQEBcwUAMCIXIDAeBgNVBAMTF0NFULQxLUNBLU1vbGRpbmRjb25iYW5rMB4X:
DTIwMDMxNjA4NDUwM1oXDTIzMDMxNjA4NTUwM1owgbgxCzAJBgNVBAYTAk1EMRow:
YDVQIExFSXZB1YmXpY2EgTW9sZG92YTERMA8GA1UEBxMIQ2hpc2luYXUxZzAV

(semnatura electronica)

CONTABIL-SEF:Web Kojevnikov Dmitrii

MIIGfAYJKoZIhvcNAQcCoIIGbTCCBmkCAQExCzAJBgUrDgMCGGUAMAsGCSqGSIB3:
DQEHAACCBIIUwggSBMIIDaaADAgECAhNHAACEjCA/4xcrKCbfAAAAAISMMA0GCSqG:
SIB3DQEBcwUAMCIXIDAeBgNVBAMTF0NFULQxLUNBLU1vbGRpbmRjb25iYW5rMB4X:
DTIwMDMxNjA4NDUwM1oXDTIzMDMxNjA4NTUwM1owgbgxCzAJBgNVBAYTAk1EMRow:
YDVQIExFSXZB1YmXpY2EgTW9sZG92YTERMA8GA1UEBxMIQ2hpc2luYXUxZzAV

L.S.

(semnatura electronica)

CONDUCATOR:

(semnatura manuala)

CONTABIL-SEF:

(semnatura manuala)

SEMNETURA PRESTATORUL

L.S.

Digitally signed by Kojevnikov Dmitrii
Date: 2021.12.23 17:12:14 EET
Reason: MoldSign Signature
Location: Moldova

MOTIVUL REFUZULUI

L.S.



CERTIFICAT
privind lipsa sau existența restanțelor față de bugetul public național

Nr.
№ **A2121595**

din
от **16.12.2021**

1. Destinația / Назначение

AGENȚIA ACHIZIȚII PUBLICE

2. Date despre contribuabil / Информация о налогоплательщике

Denumirea Наименование	Codul fiscal / Numărul de identificare Фискальный код / Идентификационный номер
S.C. OXIVIT-MED S.R.L.	1007600044280
Adresa sediului de bază (strada, numărul) Адрес основного месторасположения (улица, номер)	Codul - Denumirea localității Код - Наименование населенного пункта
Decebal bd. nr.82 of.90	0110-SEC.BOTANICA

3. Atestarea lipsei sau existenței restanțelor conform datelor Sistemului Informațional Automatizat /
Подтверждение отсутствия или наличия недоимки согласно данных Информационной автоматизированной системы

La data emiterii prezentului certificat restanța față de bugetul public național constituie/ Иа дату выдачи данной справки недоимка перед национальным публичным бюджетом составляет:
0,00 lei/лей.

4. Valabil pînă la / Действителен до 31.12.2021

5. Autentificarea Serviciului Fiscal de Stat / Подтверждение Государственной налоговой службы

ȘEF DDE BOTANICA

Funcția/Dолжность

L.Ș/ М.П.

Executor: Ginga
Numele și prenumele/Фамилия и имя



Semnătură/Подпись

ANA STOICOV

Numele și prenumele/Фамилия и имя

Este extras din Sistemul Informațional al SFS SIA „Contul curent al contribuabilului”// 16.12.2021 ora 10:44:50
cu aplicarea prevederilor pct. 82-83 Ordin IFPS nr.400 din 14.03.2014 (Monitorul Oficial 72-77/399, 28.03.2014)

NOTA (0,00)

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

Дата предоставления 31.05.2021 09:44:13

Anexe la SNC
 "Prezentarea situatiilor financiare"
 Aprobat de Ministerul Finantelor
 al Republicii Moldova

SITUAȚIILE FINANCIARE

pentru perioada 01.01.2020 - 31.12.2020

Entitatea: S.C. OXVIT-MED S.R.L.
 Cod CUIIO: 40424951
 Cod IDNO: 1007600044280

Sediuul:
 MD:
 Raionul(municipiul): 103 DOB BOTANICA
 Cod CUATM: 0110_SEC.BOTANICA
 Strada: Decebal bd. nr.82 of.90

Activitatea principală: 04772 Comerț cu amănuntul al articolelor medicale și ortopedice, în magazine specializate
 Forma de proprietate: 15_Proprietatea activă
 Forma organizatorico-juridică: 530_Societăți cu răspundere limitată

Date de contact:
 Telefon: +3732808002
 WEB:
 E-mail: oxvit-medical@gmail.com
 Numele și coordonatele al contabilului-șef: DI (dna) Kojevnikov Dmitrii Tel. 969200398

Numărul mediu al salariaților în perioada de gestiune: 4 persoane.

Persoanele responsabile de semnarea situațiilor financiare* Kojevnikov Dmitrii

Unitatea de măsură: leu

BILANȚUL

la 31.12.2020

Anexa 1

Nr. cpt.	Indicatori	Cod rd.	Sold la	
			Începutul perioadei de gestiune	Sfîrșitul perioadei de gestiune
1	2	3	4	5
	A C T I V			
	ACTIVE IMOBILIZATE			
	I. Imobilizări necorporale			
	1. Imobilizări necorporale în curs de execuție	010		
	2. Imobilizări necorporale în exploatare, total	020	1787	1137
	din care:			
	2.1. concesiuni, licențe și mărci	021	1787	1137
	2.2. drepturi de autor și titluri de protecție	022		
	2.3. programe informatice	023		
	2.4. alte imobilizări necorporale	024		
	3. Fond comercial	030		
	4. Avansuri acordate pentru imobilizări necorporale	040		
	Total imobilizări necorporale (rd.010 + rd.020 + rd.030 + rd.040)	050	1787	1137
	II. Imobilizări corporale			
	1. Imobilizări corporale în curs de execuție	060		
	2. Terenuri	070		
	3. Mijloace fixe, total	080	2234	9980
	din care:			
	3.1. clădiri	081		
	3.2. construcții speciale	082		
	3.3. mașini, utilaje și instalații tehnice	083		9235
	3.4. mijloace de transport	084		

A.	3.5. inventar și mobilier	085		
	3.6. alte mijloace fixe	086	2234	745
	4. Resurse minerale	090		
	5. Active biologice imobilizate	100		
	6. Investiții imobiliare	110		
	7. Avansuri acordate pentru imobilizări corporale	120		
	Total imobilizări corporale (rd.060 + rd.070 + rd.080 + rd.090 + rd.100 + rd.110 + rd.120)	130	2234	9980
	III. Investiții financiare pe termen lung			
	1. Investiții financiare pe termen lung în părți neafiliate	140		
	2. Investiții financiare pe termen lung în părți afiliate, total	150		
	din care:	151		
	2.1. acțiuni și cote de participație deținute în părțile afiliate			
	2.2 Împrumuturi acordate părților afiliate	152		
	2.3 Împrumuturi acordate aferente intereselor de participație	153		
	2.4 alte investiții financiare	154		
	Total investiții financiare pe termen lung (rd.140 + rd.150)	160		
	IV. Creanțe pe termen lung și alte active imobilizate			
	1. Creanțe comerciale pe termen lung	170		
	2. Creanțe ale părților afiliate pe termen lung	180		
	Inclusiv: creanțe aferente intereselor de participație	181		
	3. Alte creanțe pe termen lung	190		
	4. Cheltuieli anticipate pe termen lung	200		
	5. Alte active imobilizate	210		
	Total creanțe pe termen lung și alte active imobilizate (rd.170 + rd.180 + rd.190 + rd.200 + rd.210)	220		
	TOTAL ACTIVE IMOBILIZATE (rd.050 + rd.130 + rd.160 + rd.220)	230	4021	11117
B.	ACTIVE CIRCULANTE			
	I. Stocuri			
	1. Materiale și obiecte de mică valoare și scurtă durată	240	434	617
	2. Active biologice circulante	250		
	3. Producția în curs de execuție	260		
	4. Produse și mărfuri	270	8318982	6895348
	5. Avansuri acordate pentru stocuri	280		
	Total stocuri (rd.240 + rd.250 + rd.260 + rd.270 + rd.280)	290	8319416	6895965
	II. Creanțe curente și alte active circulante			
	1. Creanțe comerciale curente	300	4565544	17423930
	2. Creanțe ale părților afiliate curente	310		
	Inclusiv: creanțe aferente intereselor de participație	311		
	3. Creanțe ale bugetului	320	491901	1593996
	4. Creanțele ale personalului	330		1452
	5. Alte creanțe curente	340		
	6. Cheltuieli anticipate curente	350	8082	6076
	7. Alte active circulante	360	1601496	3786977
	Total creanțe curente și alte active circulante (rd.300 + rd.310 + rd.320 + rd.330 + rd.340 + rd.350 + rd.360)	370	6667023	22812431
	III. Investiții financiare curente			
	1. Investiții financiare curente în părți neafiliate	380		
	2. Investiții financiare curente în părți afiliate, total	390		
	din care:	391		
	2.1. acțiuni și cote de participație deținute în părțile afiliate			
	2.2. Împrumuturi acordate părților afiliate	392		
	2.3. Împrumuturi acordate aferente intereselor de participație	393		

	2.4. alte investiții financiare în părți afiliate	394		
	Total investiții financiare curente (rd.380 + rd.390)	400		
	IV. Numerar și documente bănești	410	13740173	11586107
	TOTAL ACTIVE CIRCULANTE (rd.290 + rd.370 + rd.400 + rd.410)	420	28726612	41294503
	TOTAL ACTIVE (rd.230 + rd.420)	430	28730633	41305620
	P A S I V			
	CAPITAL PROPRIU			
	I. Capital social și neînregistrat			
	1. Capital social	440	5400	5400
C.	2. Capital nevărsat	450	()	()
	3. Capital neînregistrat	460		
	4. Capital retras	470	()	()
	5. Patrimoniul primit de la stat cu drept de proprietate	480		
	Total capital social și neînregistrat (rd.440 + rd.450 + rd.460 + rd.470 + rd.480)	490	5400	5400
	II. Prime de capital	500		
	III. Rezerve			
	1. Capital de rezervă	510		
	2. Rezerve statutare	520		
	3. Alte rezerve	530		
	Total rezerve (rd.510 + rd.520 + rd.530)	540		
	IV. Profit (pierdere)			
	1. Corecții ale rezultatelor anilor precedenți	550	X	
	2. Profit nerepartizat (pierdere neacoperită) al anilor precedenți	560	21481849	14484236
	3. Profit net (pierdere netă) al perioadei de gestiune	570	X	10455338
	4. Profit utilizat al perioadei de gestiune	580	X	()
	Total profit (pierdere) (rd.550 + rd.560 + rd.570 + rd.580)	590	21481849	24939574
	V. Rezerve din reevaluare	600		
	VI. Alte elemente de capital propriu	610		
	TOTAL CAPITAL PROPRIU (rd.490 + rd.500 + rd.540 + rd.590 + rd.600 + rd.610)	620	21487249	24944974
	DATORII PE TERMEN LUNG			
	1. Credite bancare pe termen lung	630		
	2. Împrumuturi pe termen lung	640	76630	76630
	din care:			
	2.1. Împrumuturi din emisiunea de obligațiuni	641		
	Inclusiv: împrumuturi din emisiunea de obligațiuni convertibile	642		
	2.2. alte împrumuturi pe termen lung	643	76630	76630
	3. Datorii comerciale pe termen lung	650		
	4. Datorii față de părțile afiliate pe termen lung	660		
	Inclusiv: datorii aferente intereselor de participație	661		
D.	5. Avansuri primite pe termen lung	670		
	6. Venituri anticipate pe termen lung	680		
	7. Alte datorii pe termen lung	690		
	TOTAL DATORII PE TERMEN LUNG (rd.630 + rd.640 + rd.650 + rd.660 + rd.670 + rd.680 + rd.690)	700	76630	76630
	DATORII CURENTE			
	1. Credite bancare pe termen scurt	710		
	2. Împrumuturi pe termen scurt, total	720		

	din care:	721		
	2.1. Împrumuturi din emisiunea de obligațiuni			
	Inclusiv: împrumuturi din emisiunea de obligațiuni convertibile	722		
	2.2. alte împrumuturi pe termen scurt	723		
	3. Datorii comerciale curente	730	6729208	15784405
	4. Datorii față de părțile afiliate curente	740		
	Inclusiv: datorii aferente intereselor de participație	741		
	5. Avansuri primite curente	750	336114	349631
	6. Datorii față de personal	760	73257	116957
	7. Datorii privind asigurările sociale și medicale	770		
E.	8. Datorii față de buget	780	300	
	9. Datorii față de proprietari	790		
	10. Venituri anticipate curente	800		
	11. Alte datorii curente	810	27875	33023
	TOTAL DATORII CURENTE (rd.710 + rd.720 + rd.730 + rd.740 + rd.750 + rd.760 + rd.770 + rd.780 + rd.790 + rd.800 + rd.810)	820	7166754	16284016
	PROVIZIOANE			
	1. Provizioane pentru beneficiile angajaților	830		
	2. Provizioane pentru garanții acordate cumpărătorilor/clientșilor	840		
	3. Provizioane pentru impozite	850		
	4. Alte provizioane	860		
F.	TOTAL PROVIZIOANE (rd.830 + rd.840 + rd.850 + rd.860)	870		
	TOTAL PASIVE (rd.620 + rd.700 + rd.820 + rd.870)	880	28730633	41305620

SITUAȚIA DE PROFIT ȘI PIERDERE

de la 01.01.2020, până la 31.12.2020.

Anexa 2

Indicatori	Cod rd.	Perioada de gestiune	
		precedenta	curenta
1	2	3	4
Venituri din vânzări, total	010	56125772	61054881
din care:			
venituri din vânzarea produselor și mărfurilor	011	56125772	61054881
venituri din prestarea serviciilor și executarea lucrărilor	012		
venituri din contracte de construcție	013		
venituri din contracte de leasing	014		
venituri din contracte de microfinanțare	015		
alte venituri din vânzări	016		
Costul vânzărilor, total	020	44624941	50207602
din care:			
valoarea contabilă a produselor și mărfurilor vândute	021	44624941	50207602
costul serviciilor prestate și lucrărilor executate terților	022		
costuri aferente contractelor de construcție	023		
costuri aferente contractelor de leasing	024		
costuri aferente contractelor de microfinanțare	025		
alte costuri aferente vânzărilor	026		
Profit brut (pierdere brută) (rd.010 - rd.020)	030	11500831	10847279
Alte venituri din activitatea operațională	040	1954484	1967064
Cheltuieli de distribuie	050	46711	68333
Cheltuieli administrative	060	668046	995848
Alte cheltuieli din activitatea operațională	070	161844	34858
Rezultatul din activitatea operațională: profit (pierdere) (rd.030 + rd.040 - rd.050 - rd.060 - rd.070)	080	12578714	11715304

Venituri financiare, total	090		1752762
din care:			
venituri din interese de participare	091		
inclusiv: veniturile obținute de la părțile afiliate	092		
venituri din dobânzi	093		
inclusiv: veniturile obținute de la părțile afiliate	094		
venituri din alte investiții financiare pe termen lung	095		
inclusiv: veniturile obținute de la părțile afiliate	096		
venituri aferente ajustărilor de valoare privind investițiile financiare pe termen lung și curente	097		
venituri din ieșirea investițiilor financiare	098		
venituri aferente diferențelor de curs valutar și de sumă	099		1752762
Cheltuieli financiare, total	100	20827	1580853
din care:			
cheltuieli privind dobânzile	101		
inclusiv: cheltuielile aferente părților afiliate	102		
cheltuieli aferente ajustărilor de valoare privind investițiile financiare pe termen lung și curente	103		
cheltuieli aferente ieșirii investițiilor financiare	104		
cheltuieli aferente diferențelor de curs valutar și de sumă	105	20827	1580853
Rezultatul: profit (pierdere) financiar(ă) (rd.090 - rd.100)	110	-20827	171909
Venituri cu active imobilizate și excepționale	120		
Cheltuieli cu active imobilizate și excepționale	130		
Rezultatul din operațiuni cu active imobilizate și excepționale: profit (pierdere) (rd.120 - rd.130)	140		
Rezultatul din alte activități: profit (pierdere) (rd.110 + rd.140)	150	-20827	171909
Profit (pierdere) până la impozitare (rd.080 + rd.150)	160	12557887	11887213
Cheltuieli privind impozitul pe venit	170	1543063	1431875
Profit net (pierdere netă) al perioadei de gestiune (rd.160 - rd.170)	180	11014824	10455338

SITUAȚIA MODIFICĂRILOR CAPITALULUI PROPRIU

de la până la

Anexa 3

Nr. d/o	Indicatori	Cod rd	Sold la începutul perioadei de gestiune	Majorări	Diminuări	Sold la sfârșitul perioadei de gestiune
1	2	3	4	5	6	7
I.	Capital social și neînregistrat					
	1. Capital social	010				
	2. Capital nevărsat	020	()	()	()	()
	3. Capital neînregistrat	030				
	4. Capital retras	040	()	()	()	()
	5. Patrimoniul primit de la stat cu drept de proprietate	050				
	Total capital social și neînregistrat (rd.010 + rd.020 + rd.030 + rd.040 + rd.050)	060				
II.	Prime de capital	070				
III.	Rezerve					
	1. Capital de rezervă	080				
	2. Rezerve statutare	090				
	3. Alte rezerve	100				
	Total rezerve (rd.080 + rd.090 + rd.100)	110				
	Profit (pierdere)					
	1. Corecții ale rezultatelor anilor precedenți	120	X			

IV.	2. Profit nerepartizat (pierdere neacoperită) al anilor precedenți	130				
	3. Profit net (pierdere netă) al perioadei de gestiune	140	X			
	4. Profit utilizat al perioadei de gestiune	150	X	()	()	()
	Total profit (pierdere) (rd.120 + rd.130 + rd.140 + rd.150)	160				
V.	Rezerve din reevaluare	170				
VI.	Alte elemente de capital propriu	180				
	Total capital propriu (rd.060 + rd.070 + rd.110 + rd.160 + rd.170 + rd.180)	190				

SITUAȚIA FLUXURILOR DE NUMERAR

de la până la

Anexa 4

Indicatori	Cod rd	Perioada de gestiune	
		precedentă	curentă
1	2	3	4
Fluxuri de numerar din activitatea operațională			
Încasări din vânzări	010		
Plăți pentru stocuri și servicii procurate	020		
Plăți către angajați și organe de asigurare socială și medicală	030		
Dobânzi plătite	040		
Plata impozitului pe venit	050		
Alte încasări	060		
Alte plăți	070		
Fluxul net de numerar din activitatea operațională (rd.010 - rd.020 - rd.030 - rd.040 - rd.050 + rd.060 - rd.070)	080		
Fluxuri de numerar din activitatea de investiții			
Încasări din vânzarea activelor imobilizate	090		
Plăți aferente intrărilor de active imobilizate	100		
Dobânzi încasate	110		
Dividende încasate	120		
Inclusiv: dividende încasate din străinătate	121		
Alte încasări (plăți)	130		
Fluxul net de numerar din activitatea de investiții (rd.090 - rd.100 + rd.110 + rd.120 ± rd.130)	140		
Fluxuri de numerar din activitatea financiară			
Încasări sub formă de credite și împrumuturi	150		
Plăți aferente rambursării creditelor și împrumuturilor	160		
Dividende plătite	170		
Inclusiv: dividende plătite nerezidenților	171		
Încasări din operațiuni de capital	180		
Alte încasări (plăți)	190		
Fluxul net de numerar din activitatea financiară (rd.150 - rd.160 - rd.170 + rd.180 ± rd.190)	200		
Fluxul net de numerar total (± rd.080 ± rd.140 ± rd.200)	210		
Diferențe de curs valutar favorabile (nefavorabile)	220		
Sold de numerar la începutul perioadei de gestiune	230		
Sold de numerar la sfârșitul perioadei de gestiune (± rd.210 ± rd.220 + rd.230)	240		

Documente atașate - Notă explicativă (fișierul pdf)

Версия для печати
Сохранить

Расписка 2

Респондент

Фискальный код: 1007600044280, наименование: S.C. OXIVIT-MED S.R.L.

Предоставил отчет: RSF1_21

На фискальный период: A/2020

Дата предоставления: 31.05.2021

Временная метка отчёта зарегистрированного в Информационной Системе НБС : 31.05.2021 10:20:49

National Bureau of Statistics (NBS) received the electronic version of the report, sent by you. The data provided is verified by NBS.

Расписка

Респондент

Фискальный код: 1007600044280, наименование: S.C. OXIVIT-MED S.R.L.

Предоставил отчёт: RSF1_21

На фискальный период: A/2020

Дата предоставления: 31.05.2021

Временная метка отчёта зарегистрированного в Системе Электронной Отчётности и
отправленного в Информационную Систему БНС : 31.05.2021 09:44:13

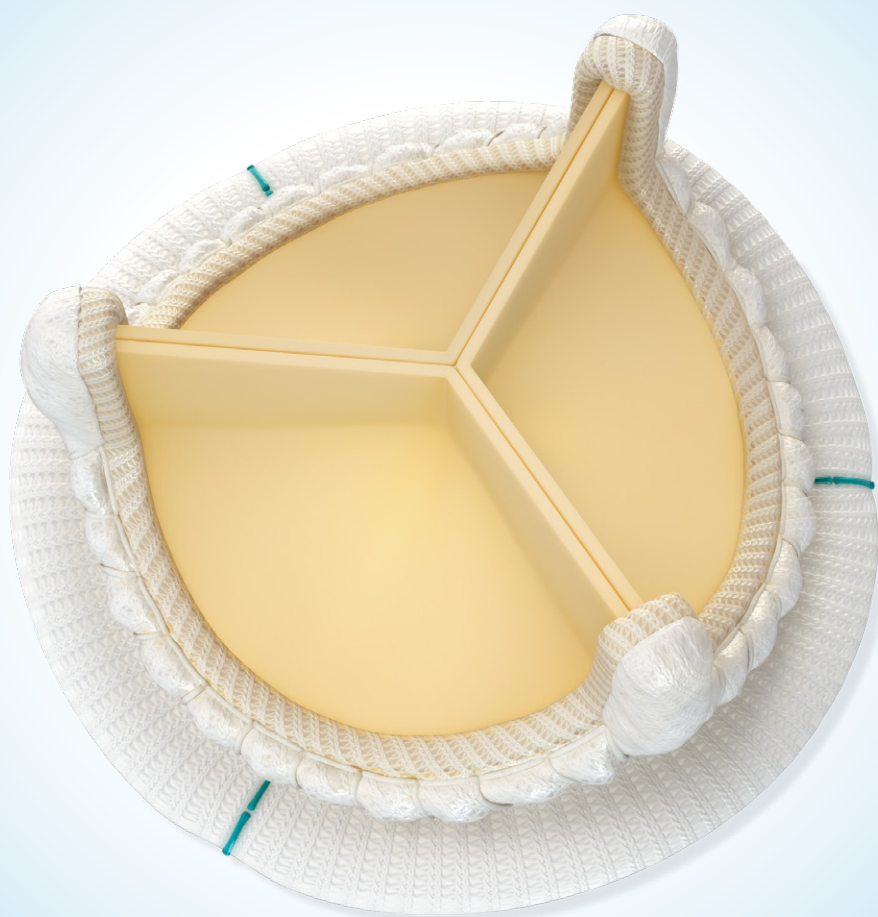
Avalus™
Bioprosthesis



PROVEN
PLUS.

With more than 40 years of heart valve innovations, we took proven valve design concepts and adapted them for excellent implantability for you and performance for your patients.

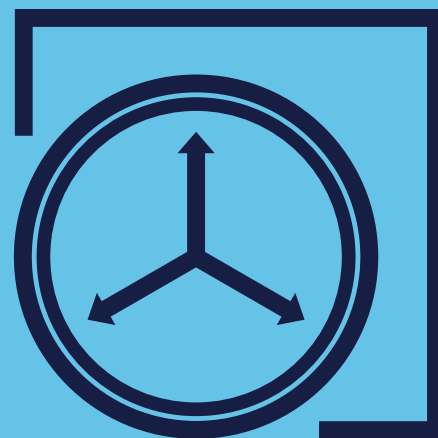
Medtronic
Further. Together



PRESENTING
THE AVALUS™
AORTIC VALVE
BY MEDTRONIC.

YOU WANT THE VERY BEST FOR YOUR PATIENTS. SO DO WE.

We designed the next generation bovine pericardial valve for better overall performance, improved implant experience, and a contemporary design to facilitate future transcatheter aortic valve in surgical aortic valve (TAV-in-SAV).

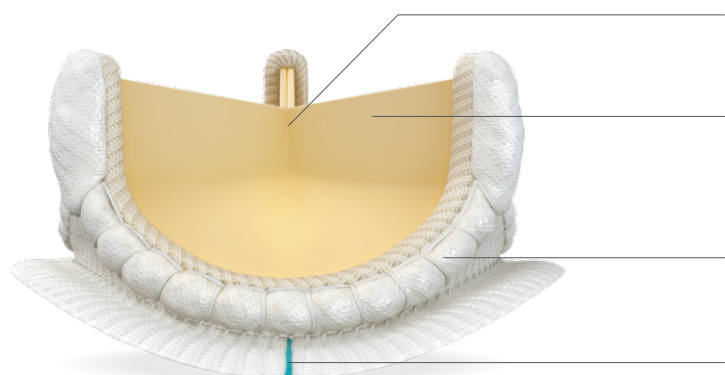


Interior-mounted leaflets minimize damaging contact with the frame — a design platform for long-term durability.



AOA™ tissue treatment* to mitigate calcification — over 25 years of clinical use on the Medtronic surgical tissue valve portfolio.^{1,2}

PROVEN



- Supra-annular design to enhance hemodynamics³
- Three laser-cut bovine pericardial leaflets matched for thickness and deflection to provide consistent performance
- Two-part polymer frame minimizes stress zones on leaflets
- Sewing markers facilitate suture placement and valve orientation

*No clinical data is available which evaluates the long-term impact of AOA treatment in patients.

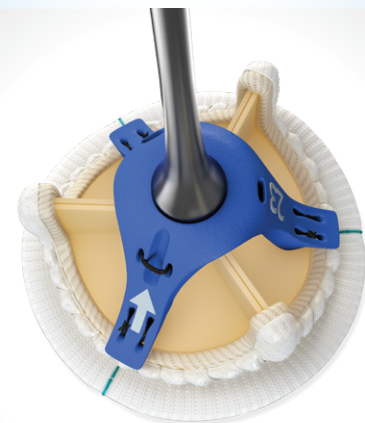
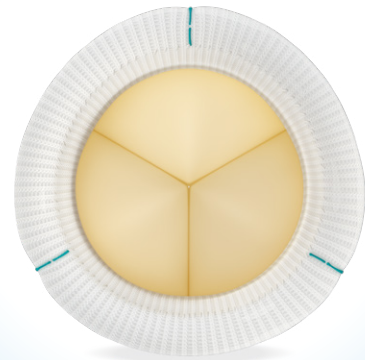
PLUS

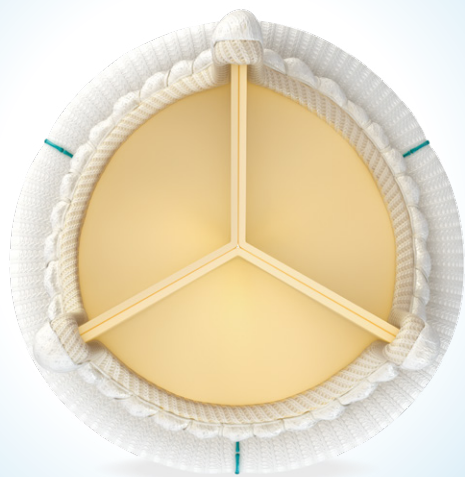


Polyetheretherketone (PEEK) polymer stent provides strength and flexibility, and offers resistance to permanent deformation.

Ease of Implant for You

- Soft and pliable sewing cuff facilitates needle penetration, suture placement, and valve seating for an improved implant experience
- Lower valve profile and narrow commissure posts expand ostia clearance and give you more space for knot-tying
- Streamlined valve holder improves visibility in both standard and minimally invasive approaches
- Simple one-cut release



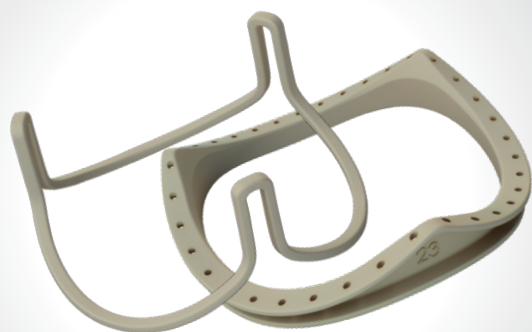


Designed to achieve 100% coaptation and minimize central regurgitation.



Flexible support frame with firm base designed to maintain circularity and consistent hemodynamic performance.

Performance and Lifetime Management for Your Patients

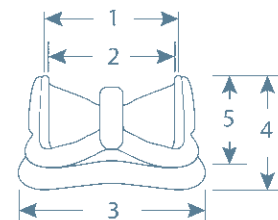


- Valve dimensions and geometry enable future TAV-in-SAV replacements
- PEEK base frame impregnated with barium sulfate provides for radiopacity and visibility
- Polymer frame mitigates the risk of potential metal-on-metal corrosion with transcatheter stent materials
- MRI Safe in all MR environments without conditions



Ordering and Specifications

Avalus Valve Order Number	Valve Size	Stent Diameter (TAD)	Internal Orifice Diameter*		External Sewing Ring Diameter	Valve Profile Height	Aortic Protrusion
		(1)	(2)	(2a)			
40019	19 mm	19 mm	17.5 mm	18 mm	27.0 mm	13.0 mm	11.0 mm
40021	21 mm	21 mm	19.5 mm	20 mm	29.0 mm	14.0 mm	12.0 mm
40023	23 mm	23 mm	21.5 mm	22 mm	31.0 mm	15.0 mm	13.0 mm
40025	25 mm	25 mm	23.5 mm	24 mm	33.0 mm	16.0 mm	14.0 mm
40027	27 mm	27 mm	25.5 mm	26 mm	36.0 mm	17.0 mm	15.0 mm



TAD – Tissue Annulus Diameter

*Measurement shows stent frame including tissue (2) and stent frame excluding tissue (2a).

Accessories

Order Number	Description
7420	Valve Handle
7400S	Avalus Sizers
T7400	Tray, Accessory, Avalus

References

¹ Medtronic Freestyle® Aortic Root Bioprosthesis was first implanted clinically in August 1992. Freestyle Aortic Root Bioprosthesis 15-Year Clinical Compendium. ©2016 Medtronic.

² Jamieson WR, Riess FC, Raudkivi PJ, et al. Medtronic Mosaic porcine bioprosthesis: assessment of 12-year performance. *J Thorac Cardiovasc Surg.* August 2011;142(2):302-307.

³ Ruzicka DJ, Hettich I, Hutter A, et al. The complete supraannular concept. *Circulation.* 2009;120[suppl 1]:S139-S145.

Brief Statement

Avalus™ Bioprosthesis

Indications: The Avalus bioprosthesis is indicated for the replacement of diseased, damaged, or malfunctioning native or prosthetic aortic valves. **Contraindications:** None known. **Warnings/Precautions/Adverse Events:** Only physicians who have received proper training in valve replacement should use this device. Accelerated structural deterioration due to calcific degeneration of bioprosthesis may occur in: children, adolescents, young adults, and patients with altered calcium metabolism (e.g., chronic renal failure, or hyperparathyroidism). Adverse events can include: angina, cardiac dysrhythmias, endocarditis, heart failure, hemolysis, hemolytic anemia, hemorrhage, infection other than endocarditis, transvalvular or paravalvular leak, myocardial infarction, nonstructural valve dysfunction (leaflet entrapment/impingement, obstructive pannus ingrowth, suture dehiscence, inappropriate sizing or positioning, or other), pericardial effusion or tamponade, prosthesis regurgitation, prosthesis stenosis, prosthesis thrombosis, stroke, structural valve deterioration (calcification, leaflet tear or perforation, or other), thromboembolism, tissue dehiscence, and transient ischemic attack. These complications could lead to reoperation, explant of the bioprosthesis, permanent disability, or death. **Caution:** Federal law (USA) restricts this device to sale by or on the order of a physician.

For a listing of indications, contraindications, precautions, warnings, and potential adverse events, please refer to the Instructions for Use.

For countries that use eIFUs, consult instructions for use at medtronic.com/manuals. Note: Manuals can be viewed using a current version of any major internet browser.

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Toll-free: (800) 328-2518

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CardioVascular Technical Support
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Tel: (763) 526-7890
Fax: (763) 526-7888
rs.structuralheart@medtronic.com

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AVALUS™ BIOPROSTHESIS

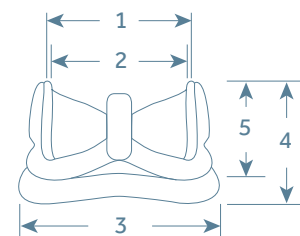


Indications for Use

The Avalus bioprosthesis is indicated for the replacement of diseased, damaged, or malfunctioning native or prosthetic aortic valves.

Ordering Information

Avalus Valve Order Number	Valve Size	Stent Diameter (TAD)	Internal Orifice Diameter*		External Sewing Ring Diameter	Valve Profile Height	Aortic Protrusion
		(1)	(2)	(2a)			
40019	19 mm	19 mm	17.5 mm	18 mm	27.0 mm	13.0 mm	11.0 mm
40021	21 mm	21 mm	19.5 mm	20 mm	29.0 mm	14.0 mm	12.0 mm
40023	23 mm	23 mm	21.5 mm	22 mm	31.0 mm	15.0 mm	13.0 mm
40025	25 mm	25 mm	23.5 mm	24 mm	33.0 mm	16.0 mm	14.0 mm
40027	27 mm	27 mm	25.5 mm	26 mm	36.0 mm	17.0 mm	15.0 mm
40029	29 mm	29 mm	27.5 mm	28 mm	38.0 mm	18.0 mm	16.0 mm



TAD – Tissue Annulus Diameter

*Measurement shows stent frame including tissue (2) and stent frame excluding tissue (2a).

Accessories

Order Number	Description
7420	Valve Handle
7400S	Avalus Sizers
T7400	Tray, Accessory, Avalus

Product Specifications

Sterilization	Liquid chemical sterilization
Shelf Life	1.5 years
Packaging (Sterile Barriers)	Valve jar: glass Valve jar lid: polypropylene Valve lid liner: silicone
Tissue Fixation	Uniaxial fixation
Storage Temperature	5° C to 25° C (41° F to 77° F)
Storage Solution	Buffered 0.2% glutaraldehyde solution
Rinsing Procedure	2 rinse basins each containing 500 mL of sterile, normal saline solution Single 30-second rinse. Store in a second basin until use.
MRI Compatibility	Non metallic — MR safe MR — poses no known hazards in all MR environments.

Materials List

Valve Holder	Blue acetal homopolymer
Valve to Valve Holder Sutures	Black nylon
Valve Leaflets	Bovine pericardium cross-linked in 0.5% glutaraldehyde
Wireform	Polyetheretherketone (PEEK)
Base Frame	Polyetheretherketone (PEEK) impregnated with barium sulfate
Fabric Covering Wireform and Base Frame	Polyester
Valve Sewing Cuff	Polyester, valve component sutures, polyester, force fiber suture, UHMWPE
Retainer Jar & Retainer Cap	Homopolymer
Serial Number Tag	Polypropylene

Accessories

Avalus Sizer	Polysulfone (handle and head), nitinol (wire)
Tray	Polyphenylsulfone
Handle	Stainless steel

Tissue Treatment

Anti-calcification Treatment	Alpha-amino oleic acid (AOA™) treatment
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For a listing of indications, contraindications, precautions, warnings, and potential adverse events, please refer to the Instructions for Use. For countries that use eIFUs, consult instructions for use at www.medtronic.com/manuals. Note: Manuals can be viewed using a current version of any major internet browser.

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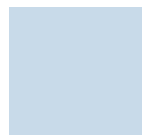
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CARDIAC RHYTHM MANAGEMENT AND CARDIOVASCULAR DIAGNOSTICS & SERVICES

PRODUCT CATALOGUE 2021



TABLE OF CONTENT



PACEMAKERS (IPG)

Single Chamber, Dual Chamber, Leadless



CRT PACEMAKERS (CRT-P)



DEFIBRILLATORS (ICD)

Single Chamber, Dual Chamber



CRT DEFIBRILLATORS (CRT-D)



PACING LEADS AND DELIVERY SYSTEMS



DEFIBRILLATION LEADS AND DELIVERY SYSTEMS



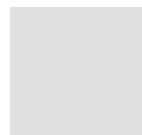
LEFT-HEART LEADS AND DELIVERY SYSTEMS



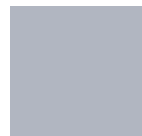
ACCESSORIES



INSERTABLE CARDIAC MONITORS



PATIENT MANAGEMENT SOLUTIONS



PROCEDURE INNOVATIONS

Antibacterial Envelope, External Pacemakers

PACEMAKERS (IPG)

Single Chamber (SR)



AZURE™ XT SR MRI

SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Implant Detection
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- Lead Monitor (RV) with Auto Polarity Switch
- CareAlert Monitoring
- Carelink connectivity with CareAlerts

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- Conducted AF Response (CAFR)

HEART FAILURE (HF) MANAGEMENT

Algorithm to help manage heart failure.

- OptiVol 2.0

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Histograms Reports
- Ventricular Episodes including EGMs

Model	W2SR01
M (g)	22.5
V (cc)	12.25
Size (mm) (HxWxD)	42.6 x 50.8 x 7.4
Connector	IS-1 BI/UNI

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



AZURE™ S SR MRI

SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Implant Detection
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- Lead Monitor (RV) with Auto Polarity Switch
- CareAlert Monitoring
- Carelink connectivity with CareAlerts

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Ventricular Episodes including EGMs

Model	W3SR01
M (g)	22.5
V (cc)	12.25
Size (mm) (HxWxD)	42.6 x 50.8 x 7.4
Connector	IS-1 BI/UNI

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ASTRA™ XT SR MRI SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- Lead Monitor (RV) with Auto Polarity Switch
- CareLink connectivity

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- Conducted AF Response (CAFR)

HEART FAILURE (HF) MANAGEMENT

Algorithm to help manage heart failure

- OptiVol 2.0

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Histograms Reports
- Ventricular Episodes including EGMs

Model	X2SR01
M (g)	22.5
V (cc)	12.2
Size (mm) (HxWxD)	42.6 x 50.8 x 7.4
Connector	IS-1 BI/UNI

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ATTESTA™ SR MRI SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- TherapyGuide
- Capture Management (RV)
- Sensing Assurance (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- Conducted AF Response (CAFR)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Histogram Reports
- Atrial and Ventricular Episodes including EGMs
- Additional Clinician Selected Diagnostics

Model	ATSR01
M (g)	21.5
V (cc)	9.7
Size (mm) (HxWxD)	40.2 x 42.9 x 7.5
Connector	IS-1 BI/UNI

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SPHERA™ SR MRI SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- TherapyGuide
- Capture Management (RV)
- Sensing Assurance (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Histogram Reports
- Atrial and Ventricular Episodes including EGMs
- Additional Clinician Selected Diagnostics

Model	SPSR01
M (g)	21.5
V (cc)	9.7
Size (mm) (HxWxD)	40.2 x 42.9 x 7.5
Connector	IS-1 BI/UNI

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ADVISA SR MRI™

SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- Lead Monitor (RV) with Auto Polarity Switch
- CareLink connectivity

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- Conducted AF Response (CAFR)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Histograms Reports
- Ventricular Episodes including EGMs

Model	A3SR01
M (g)	21.0
V (cc)	11.9
Size (mm) (HxWxD)	51 x 42 x 8
Connector	IS-1 BI/UNI

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ENSURA SR MRI™

SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- Lead Monitor (RV) with Auto Polarity Switch
- CareLink connectivity

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Histogram Reports
- Ventricular Episodes including EGMs

Model	EN1SR01
M (g)	21.0
V (cc)	11.9
Size (mm) (HxWxD)	51 x 42 x 8
Connector	IS-1 BI/UNI

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ADAPTA[®] SR

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- TherapyGuide
- Capture Management (RV)
- Sensing Assurance (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- Conducted AF Response (CAFR)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Histogram Reports
- Atrial and Ventricular Episodes including EGMs
- Additional Clinician Selected Diagnostics

Model	ADSR01	ADSR03	ADSR06
M (g)	21.5	22.5	22.5
V (cc)	9.7	10.5	11.0
Size (mm) (HxWxD)	40.2 x 42.9 x 7.5	42.9 x 42.9 x 7.5	43.3 x 42.9 x 7.5
Connector	IS-1 BI/UNI	IS-1 BI/UNI; 3.2 mm LP BI	5 or 6 mm UNI



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SENSIA[®] SR

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- TherapyGuide
- Capture Management (RV)
- Sensing Assurance (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Histogram Reports
- Atrial and Ventricular Episodes including EGMs
- Additional Clinician Selected Diagnostics

Model	SESR01
M (g)	21.5
V (cc)	9.7
Size (mm) (HxWxD)	40.2 x 42.9 x 7.5
Connector	IS-1 BI/UNI



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- TherapyGuide
- Capture Management (RV)
- Sensing Assurance (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function

DIAGNOSTICS

- Quick Look II
- Histogram Reports
- Atrial and Ventricular Episodes including EGMs
- Additional Clinician Selected Diagnostics

Model	SES01
M (g)	21.5
V (cc)	9.7
Size (mm) (HxWxD)	40.2 x 42.9 x 7.5
Connector	IS-1 BI/UNI



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



PACEMAKERS (IPG)

Dual Chamber (DR)



AZURE™ XT DR MRI SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Implant Detection
- Capture Management (RA and RV)
- Auto-adjusting sensitivity (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareAlert Monitoring
- Carelink connectivity with CareAlerts

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Updated Managed Ventricular Pacing Mode (MVP):
AAI(R) ↔ DDD(R)

HEART FAILURE (HF) MANAGEMENT

Algorithm to help manage heart failure

- OptiVol 2.0

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- Atrial ATP with Reactive ATP
- ModeSwitch
- Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- High Upper tracking rate up to 210 min⁻¹ for pediatric indications
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Histograms Reports
- Heart Failure Management Report
- Atrial and Ventricular Episodes including EGMs

Model	W2DR01
M (g)	22.5
V (cc)	12.75
Size (mm) (HxWxD)	46.6 x 50.8 x 7.4
Connector	IS-1 BI/UNI

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



AZURE™ S DR MRI

SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Implant Detection
- Capture Management (RA and RV)
- Auto-adjusting sensitivity (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareAlert Monitoring
- Carelink connectivity with CareAlerts

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Updated Managed Ventricular Pacing Mode (MVP):
AAI(R)<->DDD(R)

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- ModeSwitch
- Atrial Preference Pacing (APP)
- Non-competitive Atrial Pacing (NCAP)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- High Upper tracking rate up to 210 min⁻¹ for pediatric indications
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Ventricular Episodes including EGMs

Model	W3DR01
M (g)	22.5
V (cc)	12.75
Size (mm) (HxWxD)	46.6 x 50.8 x 7.4
Connector	IS-1 BI/UNI

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ASTRA™ XT DR MRI SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- Capture Management (RA and RV)
- Auto-adjusting sensitivity (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Updated Managed Ventricular Pacing Mode (MVP):
AAI(R) ↔ DDD(R)

HEART FAILURE (HF) MANAGEMENT

Algorithm to help manage heart failure

- OptiVol 2.0

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- Atrial ATP with Reactive ATP
- ModeSwitch
- Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- High Upper tracking rate up to 210 min^{-1} for pediatric indications
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Histograms Reports
- Atrial and Ventricular Episodes including EGMs

Model	X2DR01
M (g)	22.5
V (cc)	12.75
Size (mm) (HxWxD)	46.6 x 50.8 x 7.4
Connector	IS-1 BI/UNI

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ATTESTA™ DR MRI SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- TherapyGuide
- Capture Management (RA and RV)
- Sensing Assurance (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Managed Ventricular Pacing Mode (MVP): AAI(R) <-> DDD(R)
- Search AV+ up to 600ms

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- ModeSwitch with Blanked Flutter Search
- Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Sinus Preference
- High Upper tracking rate up to 210 min⁻¹ for pediatric indications
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Histogram Reports
- Atrial and Ventricular Episodes including EGMs
- Additional Clinician Selected Diagnostics

Model	ATDR01	ATDRS1 (Small)	ATDRL1 (Longevity)
M (g)	27.1	23.6	31.3
V (cc)	12.1	11.1	13.1
Size (mm) (HxWxD)	44.7 x 47.9 x 7.5	44.7 x 42.9 x 7.5	45.4 x 52.3 x 7.5
Connector	IS-1 BI/UNI		

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SPHERA™ DR MRI

SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- TherapyGuide
- Capture Management (RA and RV)
- Sensing Assurance (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Search AV+ up to 600 ms

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- ModeSwitch with Blanked Flutter Search
- Non-competitive Atrial Pacing (NCAP)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Histogram Reports
- Atrial and Ventricular Episodes including EGMs
- Additional Clinician Selected Diagnostics

Model	SPDR01	SPDRL1 (Longevity)
M (g)	27.1	31.3
V (cc)	12.1	13.1
Size (mm) (HxWxD)	44.7 x 47.9 x 7.5	45.4 x 52.3 x 7.5
Connector	IS-1 BI/UNI	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ADVISA DR MRI™

SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- Capture Management (RA and RV)
- Auto-adjusting sensitivity (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Managed Ventricular Pacing Mode (MVP): AAI(R)<->DDD(R)

HEART FAILURE (HF) MANAGEMENT

Algorithm to help manage heart failure

- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- Atrial ATP with Reactive ATP
- ModeSwitch
- Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- High Upper tracking rate up to 210 min⁻¹ for pediatric indications
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Histograms Reports
- Atrial and Ventricular Episodes including EGMs

*Subject to availability

Model	A3DR01
M (g)	22.0
V (cc)	12.7
Size (mm) (HxWxD)	45 x 51 x 8
Connector	IS-1 BI/UNI

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ENSURA DR MRI™

SURESCAN™

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- Capture Management (RA and RV)
- Auto-adjusting sensitivity (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Managed Ventricular Pacing Mode (MVP): AAI(R)<->DDD(R)

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- ModeSwitch
- Atrial Preference Pacing (APP)
- Non-competitive Atrial Pacing (NCAP)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Histogram Reports
- Ventricular Episodes including EGMs

Model	EN1DR01
M (g)	22.0
V (cc)	12.7
Size (mm) (HxWxD)	45 x 51 x 8
Connector	IS-1 BI/UNI

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ADAPTA™ DR

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- TherapyGuide
- Capture Management (RA and RV)
- Sensing Assurance (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Managed Ventricular Pacing Mode (MVP): AAI(R)<->DDD(R)
- Search AV+ up to 600ms

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- ModeSwitch with Blanked Flutter Search
- Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Sinus Preference
- High Upper tracking rate up to 210 min⁻¹ for pediatric indications
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Histogram Reports
- Atrial and Ventricular Episodes including EGMs
- Additional Clinician Selected Diagnostics

Model	ADDR01	ADDR03	ADDR06	ADDRS1 (Small)	ADDRL1 (Longevity)
M (g)	27.1	28.1	28.5	23.6	31.3
V (cc)	12.1	13.0	14.2	11.1	13.1
Size (mm) (HxWxD)	44.7 x 47.9 x 7.5	46.7 x 47.9 x 7.5	50.3 x 47.9 x 7.5	44.7 x 42.9 x 7.5	45.4 x 52.3 x 7.5
Connector	IS-1 BI/UNI	IS-1 BI/UNI; 3.2 mm LP BI	5 or 6 mm UNI	IS-1 BI/UNI	IS-1 BI/UNI



NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



ADAPTA[®] D

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- TherapyGuide
- Capture Management (RA and RV)
- Sensing Assurance (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Managed Ventricular Pacing Mode (MVP): AAI(R) <-> DDD(R)
- Search AV+ up to 600 ms

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- ModeSwitch with Blanked Flutter Search
- Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- High Upper tracking rate up to 210 min⁻¹ for pediatric indications
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Histogram Reports
- Atrial and Ventricular Episodes including EGMs
- Additional Clinician Selected Diagnostics

Model	ADD01
M (g)	27.1
V (cc)	12.1
Size (mm) (HxWxD)	44.7 x 47.9 x 7.5
Connector	IS-1 BI/UNI



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ADAPTA[®] VDD

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- TherapyGuide
- Capture Management (RV)
- Sensing Assurance (RA and RV)
- Lead Monitor (RV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Search AV+ up to 600 ms

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- ModeSwitch with Blanked Flutter Search
- Conducted AF Response (CAFR)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- PVC Response
- High Upper tracking rate up to 210 min⁻¹ for pediatric indications
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Histogram Reports
- Atrial and Ventricular Episodes including EGMs
- Additional Clinician Selected Diagnostics

Model	ADVDD01
M (g)	23.6
V (cc)	11.1
Size (mm) (HxWxD)	44.7 x 42.9 x 7.5
Connector	IS-1 BI/UNI



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SENSIA[®] DR

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- TherapyGuide
- Capture Management (RA and RV)
- Sensing Assurance (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Search AV+ up to 600 ms

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- ModeSwitch with Blanked Flutter Search
- Non-competitive Atrial Pacing (NCAP)

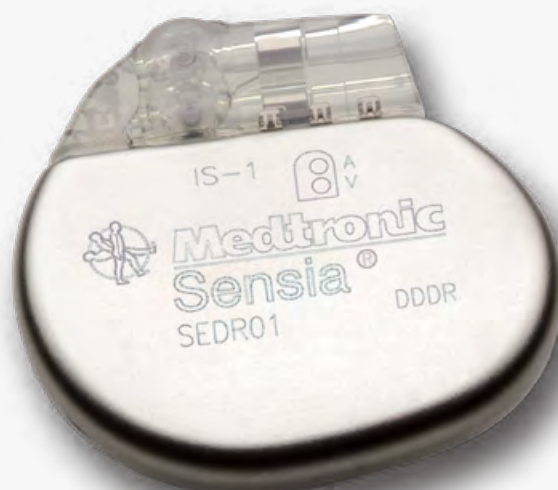
ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Histogram Reports
- Atrial and Ventricular Episodes including EGMs
- Additional Clinician Selected Diagnostics

Model	SEDRO1	SEDRL1 (Longevity)
M (g)	27.1	31.1
V (cc)	12.1	13.1
Size (mm) (HxWxD)	44.7 x 47.9 x 7.5	45.4 x 52.3 x 7.5
Connector	IS-1 BI/UNI	



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SENSIA[®] D

PACEMAKERS (IPG)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Automatically monitors for implant detection and continuously adapts key device parameters to ensure the therapies are optimized.

- Implant Detection
- TherapyGuide
- Capture Management (RA and RV)
- Sensing Assurance (RA and RV)
- Lead Monitor (RA and RV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Search AV+ up to 600 ms

AT/AF MANAGEMENT

Pacing therapies to help manage atrial tachyarrhythmias and alleviate symptoms.

- ModeSwitch with Blanked Flutter Search
- Non-competitive Atrial Pacing (NCAP)

ADDITIONAL PACING FEATURES

- Rate Hysteresis
- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Histogram Reports
- Atrial and Ventricular Episodes including EGMs
- Additional Clinician Selected Diagnostics

Model	SED01
M (g)	27.1
V (cc)	12.1
Size (mm) (HxWxD)	44.7 x 47.9 x 7.5
Connector	IS-1 BI/UNI



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



PACEMAKERS (IPG)

Leadless



MICRA™ AV

TRANSCATHETER PACING SYSTEM

PACEMAKERS (IPG)

GENERAL DESCRIPTION

- Miniaturized: Completely self-contained within the heart, no leads required
- Designed to provide AV Synchrony (VDD)
- Engineered for a minimally invasive approach
- Integrated delivery system facilitates a streamlined implant procedure via femoral approach
- Atraumatic FlexFix™ nitinol tines provide secure capsule placement
- CareLink connectivity

COMPLETELY AUTOMATIC – SIMPLE TO USE

- Continuously adapts key device parameters to ensure the therapies are optimized.
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)

ENSURING AV SYNCHRONY

- Dynamic sensing that adjusts pacing based on the mechanical atrial contraction
- Accelerometer-based mechanical atrial sensing

DIAGNOSTICS

- Quick Look II
- Histogram Reports

ELECTRODES

- Surface area:
- Anode: 22 mm²
- Cathode: 2.5 mm²
- Steroid eluting cathode

MICRA DELIVERY CATHETER

- Catheter system with a handle that controls deflection and deployment of the Micra pacing capsule
- It can function as a retrieval catheter post tether removal
- Outer diameter: 7.8 mm (23 Fr)
- Effective length: 105 cm
- Radiopacity: Gold (99.99% purity)

MICRA INTRODUCER SHEATH

- Lubricious hydrophilic coating facilitates smooth vessel navigation
- Stopcock for aspirating and flushing
- Radiopaque marker on end of Introducer
- Inner diameter: 7.8 mm (23 Fr)
- Outer diameter: 9.0 mm (27 Fr)
- Working length: 55.7 cm
- Dilator:
 - Working length: 69.9 cm
 - Guidewire compatibility: 0.89 mm (0.035 in)

Model	MC1AVR1
M (g)	1.75
V (cc)	0.8
Length (mm)	25.9
Outer Diameter (mm (Fr))	6.7 (20.1)

MRI SureScan

Full Body 1.5 and 3T MRI:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



MICRA™ VR

TRANSCATHETER PACING SYSTEM

PACEMAKERS (IPG)

GENERAL DESCRIPTION

- Miniaturized: Completely self-contained within the heart, no leads required
- Engineered for a minimally invasive approach
- Integrated delivery system facilitates a streamlined implant procedure via femoral approach
- Atraumatic FlexFix™ nitinol tines provide secure capsule placement
- CareLink connectivity

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- CareLink connectivity

DIAGNOSTICS

- Quick Look II
- Histogram Reports

ELECTRODES

- Surface area:
- Anode: 22 mm²
- Cathode: 2.5 mm²
- Steroid eluting cathode

MICRA DELIVERY CATHETER

- Catheter system with a handle that controls deflection and deployment of the Micra pacing capsule
- It can function as a retrieval catheter post tether removal
- Outer diameter: 7.8 mm (23 Fr)
- Effective length: 105 cm
- Radiopacity: Gold (99.99% purity)

MICRA INTRODUCER SHEATH

- Lubricious hydrophilic coating facilitates smooth vessel navigation
- Stopcock for aspirating and flushing
- Radiopaque marker on end of Introducer
- Inner diameter: 7.8 mm (23 Fr)
- Outer diameter: 9.0 mm (27 Fr)
- Working length: 55.7 cm
- Dilator:
- Working length: 69.9 cm
- Guidewire compatibility: 0.89 mm (0.035 in)

Model	MC1VR01
M (g)	1.75
V (cc)	0.8
Length (mm)	25.9
Outer Diameter (mm (Fr))	6.7 (20.1)

MRI SureScan

Full Body 1.5 and 3T MRI:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



CRT PACEMAKERS (CRT-P)



PERCEPTA™ QUAD CRT-P MRI SURESCAN™

CRT PACEMAKERS (CRT-P)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Implant Detection
- Therapy Guide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- Lead Monitor (RA, RV and LV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Updated Managed Ventricular Pacing Mode (MVP):
AAI(R)<->DDD(R)

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- EffectivCRT Diagnostic and EffectivCRT During AF
- AdaptivCRT
- CardioSync Optimization Test
- Multiple Point Pacing (MPP)
- VectorExpress 2.0 LV Automated Test
- 16 LV pacing vectors with Quadripolar LV lead
- Sequential MPP
- Ventricular Sense Response (VSR)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Pacing therapies and algorithms to help manage atrial tachyarrhythmias.

- Atrial ATP with Reactive ATP
- ModeSwitch
- Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- High Upper tracking rate up to 210 min⁻¹ for pediatric indications
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG
- Atrial and Ventricular Episodes including EGMs

*Subject to availability

NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.

Model	W4TR04
M (g)	30
V (cc)	20.5
Size (mm) (HxWxD)	59 x 46.5 x 11
Connector	2x IS-1 / 1x IS-4

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



PERCEPTA™ CRT-P MRI SURESCAN™

CRT PACEMAKERS (CRT-P)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Implant Detection
- Therapy Guide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- Lead Monitor (RA, RV and LV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Updated Managed Ventricular Pacing Mode (MVP):
AAI(R)<->DDD(R)

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- EffectivCRT Diagnostic and EffectivCRT During AF
- AdaptivCRT
- CardioSync Optimization Test
- 5 LV pacing vectors
- Ventricular Sense Response (VSR)
- Atrial Tracking Recovery (ATR)
- Optiol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Pacing therapies and algorithms to help manage atrial tachyarrhythmias.

- Atrial ATP with Reactive ATP
- ModeSwitch
- Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- High Upper tracking rate up to 210 min⁻¹ for pediatric indications
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG
- Atrial and Ventricular Episodes including EGMs

*Subject to availability

Model	W1TR04
M (g)	30
V (cc)	20
Size (mm) (HxWxD)	59 x 46.5 x 11
Connector	3x IS-1

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SERENA™ QUAD CRT-P MRI

SURESCAN™

CRT PACEMAKERS (CRT-P)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Implant Detection
- Therapy Guide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- Lead Monitor (RA, RV and LV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Updated Managed Ventricular Pacing Mode (MVP): AAI(R)<->DDD(R)

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- AdaptivCRT
- CardioSync Optimization Test
- Multiple Point Pacing (MPP)
- VectorExpress LV Automated Test
- 16 LV pacing vectors with Quadripolar LV lead
- Sequential MPP
- Ventricular Sense Response (VSR)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Pacing therapies and algorithms to help manage atrial tachyarrhythmias.

- Atrial ATP with Reactive ATP
- ModeSwitch
- Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- High Upper tracking rate up to 210 min⁻¹ for pediatric indications
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG
- Atrial and Ventricular Episodes including EGMs

*Subject to availability

Model	W4TR05
M (g)	30
V (cc)	20.5
Size (mm) (HxWxD)	59 x 46.5 x 11
Connector	2x IS-1 / 1x IS-4

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SERENA™ CRT-P MRI SURESCAN™

CRT PACEMAKERS (CRT-P)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Implant Detection
- Therapy Guide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- Lead Monitor (RA, RV and LV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Updated Managed Ventricular Pacing Mode (MVP):
AAI(R)<->DDD(R)

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- AdaptivCRT
- CardioSync Optimization Test
- 5 LV pacing vectors
- Ventricular Sense Response (VSR)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Pacing therapies and algorithms to help manage atrial tachyarrhythmias.

- Atrial ATP with Reactive ATP
- ModeSwitch
- Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- High Upper tracking rate up to 210 min⁻¹ for pediatric indications
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG
- Atrial and Ventricular Episodes including EGMs

*Subject to availability

Model	W1TR05
M (g)	30
V (cc)	20
Size (mm) (HxWxD)	59 x 46.5 x 11
Connector	3 x IS-1

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SOLARA™ QUAD CRT-P MRI SURESCAN™

CRT PACEMAKERS (CRT-P)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Implant Detection
- Therapy Guide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- Lead Monitor (RA, RV and LV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Updated Managed Ventricular Pacing Mode (MVP):
AAI(R)<->DDD(R)

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- CardioSync Optimization Test
- VectorExpress LV Automated Test
- 16 LV pacing vectors
- Ventricular Sense Response (VSR)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Pacing therapies and algorithms to help manage atrial tachyarrhythmias.

- Atrial ATP with Reactive ATP
- ModeSwitch
- Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- High Upper tracking rate up to 210 min⁻¹ for pediatric indications
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG
- Atrial and Ventricular Episodes including EGMs

*Subject to availability

Model	W4TR06
M (g)	30
V (cc)	20.5
Size (mm) (HxWxD)	59 x 46.5 x 11
Connector	2x IS-1 / 1x IS-4

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SOLARA™ CRT-P MRI SURESCAN™

CRT PACEMAKERS (CRT-P)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Implant Detection
- Therapy Guide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- Lead Monitor (RA, RV and LV) with Auto Polarity Switch
- CareLink connectivity

MINIMIZING UNNECESSARY RV PACING

Promotes intrinsic conduction by reducing unnecessary RV pacing.

- Updated Managed Ventricular Pacing Mode (MVP): AAI(R)<->DDD(R)

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- CardioSync Optimization Test
- 5 LV pacing vectors
- Ventricular Sense Response (VSR)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Pacing therapies and algorithms to help manage atrial tachyarrhythmias.

- Atrial ATP with Reactive ATP
- ModeSwitch
- Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Sleep Function
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- High Upper tracking rate up to 210 min⁻¹ for pediatric indications
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG
- Atrial and Ventricular Episodes including EGMs

*Subject to availability

Model	W1TR06
M (g)	30
V (cc)	20
Size (mm) (HxWxD)	59 x 46.5 x 11
Connector	3 x IS-1

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



DEFIBRILLATORS (ICD)

Single Chamber (VR)



COBALT™ XT VR MRI SURESCAN™

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA), Atrial Fibrillation (AF) burden and Fast V. Rate During AF
- CareLink connectivity

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- SmartShock™ 2.0+ Technology with Intrinsic ATP™ Algorithm
- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging ChargeSaver with Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – Wavelet, Stability, Onset
- Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Algorithm to help manage heart failure.

- OptiVol™ 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Conducted AF Response (CAFR)
- AF Diagnostic (Trends and Histograms)

ADDITIONAL PACING FEATURES

- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

**Subject to availability*

Model	DVPA2D1	DVPA2D4
M (g)	79	79
V (cc)	33.2	33.8
Size (mm) (HxWxD)	66 x 51 x 13	66 x 51 x 13
Connector	IS-1 / DF-1	DF-4
Max Program. / Delivered Energy (J)	40 / 40	40 / 40

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



COBALT™ VR MRI SURESCAN™

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA), Atrial Fibrillation (AF) burden and Fast V. Rate During AF
- CareLink connectivity

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – Wavelet, Stability, Onset
- Wavelet programmable to discriminate SVT in VF zone

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- TruAF™ Detection Algorithm
- Conducted AF Response (CAFR)
- AF Diagnostic (Trends and Histograms)

ADDITIONAL PACING FEATURES

- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DVPB3D1	DVPB3D4
M (g)	79	79
V (cc)	33.2	33.8
Size (mm) (HxWxD)	66 x 51 x 13	66 x 51 x 13
Connector	IS-1 / DF-1	DF-4
Max Program. / Delivered Energy (J)	40 / 40	40 / 40

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



CROME™ VR MRI SURESCAN™

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – Wavelet, Stability, Onset
- Wavelet programmable to discriminate SVT in VF zone

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Conducted AF Response (CAFR)

ADDITIONAL PACING FEATURES

- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DVPC3D1	DVPC3D4
M (g)	79	79
V (cc)	33.2	32.8
Size (mm) (HxWxD)	66 x 51 x 13	64 x 51 x 13
Connector	IS-1 / DF-1	DF-4
Max Program. / Delivered Energy (J)	40 / 40	40 / 40

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



PRIMO MRI™ VR

SURESCAN™

DEFIBRILLATORS (ICD)

AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Auto-adjusting sensitivity (RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – Wavelet, Stability, Onset
- Wavelet programmable to discriminate SVT in VF zone

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Conducted AF Response (CAFR)

ADDITIONAL PACING FEATURES

- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DVMD3D1	DVMD3D4
M (g)	77	77
V (cc)	33	33
Size (mm) (HxWxD)	66 x 51 x 13	64 x 51 x 13
Connector	IS-1 / DF-1	DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



MIRRO MRI™ VR

SURESCAN™

DEFIBRILLATORS (ICD)

AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Auto-adjusting sensitivity (RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- SVT Discriminators – Wavelet, Stability, Onset
- Wavelet programmable to discriminate SVT in VF zone

ADDITIONAL PACING FEATURES

- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DVME3D1	DVME3D4
M (g)	77	77
V (cc)	33	33
Size (mm) (HxWxD)	66 x 51 x 13	64 x 51 x 13
Connector	IS-1 / DF-1	DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



VISIA AF MRI™ XT VR

SURESCAN™

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA), Atrial Fibrillation (AF) burden and Fast V. Rate During AF
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – Wavelet, Stability, Onset
- Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Algorithm to help manage heart failure.

- OptiVol™ 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Conducted AF Response (CAFR)
- AF Diagnostic (Trends and Histograms)

ADDITIONAL PACING FEATURES

- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

Model	DVFB2D1	DVFB2D4
M (g)	77	77
V (cc)	33	33
Size (mm) (HxWxD)	66 x 51 x 13	66 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



VISIA AF™ XT VR

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA), Atrial Fibrillation (AF) burden and Fast V. Rate During AF
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – Wavelet, Stability, Onset
- Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Algorithm to help manage heart failure.

- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Conducted AF Response (CAFR)
- AF Diagnostic (Trends and Histograms)

ADDITIONAL PACING FEATURES

- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

**Subject to availability*

Model	DVAB2D1
M (g)	77
V (cc)	33
Size (mm) (HxWxD)	66 x 51 x 13
Connector	IS-1 / DF-1
Max Program. / Delivered Energy (J)	35 / 36



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



VISIA AF MRI™ S VR

SURESCAN™

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA), Atrial Fibrillation (AF) burden and Fast V. Rate During AF
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – Wavelet, Stability, Onset
- Wavelet programmable to discriminate SVT in VF zone

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Conducted AF Response (CAFR)
- AF Diagnostic (Trends and Histograms)

ADDITIONAL PACING FEATURES

- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DVFC3D1	DVFC3D4
M (g)	77	77
V (cc)	33	33
Size(mm) (HxWxD)	66 x 51 x 13	64 x 51 x 13
Connector	IS-1 / DF-1	DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



VISIA AF™ S VR

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA), Atrial Fibrillation (AF) burden and Fast V. Rate During AF
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – Wavelet, Stability, Onset
- Wavelet programmable to discriminate SVT in VF zone

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Conducted AF Response (CAFR)
- AF Diagnostic (Trends and Histograms)

ADDITIONAL PACING FEATURES

- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DVAC3D1
M (g)	77
V (cc)	33
Size (mm) (HxWxD)	66 x 51 x 13
Connector	IS-1 / DF-1
Max Program. / Delivered Energy (J)	35 / 36



NOTE: This is not intended to be a full product description.
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EVERA MRI® XT VR

SURESCAN™

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – Wavelet, Stability, Onset
- Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Algorithm to help manage heart failure.

- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Conducted AF Response (CAFR)

ADDITIONAL PACING FEATURES

- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

Model	DVMB2D1	DVMB2D4
M (g)	77	77
V (cc)	33	33
Size (mm) (HxWxD)	66 x 51 x 13	64 x 51 x 13
Connector	IS-1 / DF-1	DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



EVERA[®] XT VR

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – Wavelet, Stability, Onset
- Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Algorithm to help manage heart failure.

- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Conducted AF Response (CAFR)

ADDITIONAL PACING FEATURES

- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

Model	DVBB2D1	DVBB2D4
M (g)	77	77
V (cc)	33	33
Size (mm) (HxWxD)	66 x 51 x 13	64 x 51 x 13
Connector	IS-1 / DF-1	DF-4
Max Program. / Delivered Energy (J)	35 / 36	



NOTE: This is not intended to be a full product description.
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EVERA MRI® S VR

SURESCAN™

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – Wavelet, Stability, Onset
- Wavelet programmable to discriminate SVT in VF zone

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Conducted AF Response (CAFR)

ADDITIONAL PACING FEATURES

- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DVMC3D1	DVMC3D4
M (g)	77	77
V (cc)	33	33
Size (mm) (HxWxD)	66 x 51 x 13	64 x 51 x 13
Connector	IS-1 / DF-1	DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



EVERA[®] S VR

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RV)
- Auto-adjusting sensitivity (RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – Wavelet, Stability, Onset
- Wavelet programmable to discriminate SVT in VF zone

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Conducted AF Response (CAFR)

ADDITIONAL PACING FEATURES

- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DVBC3D1	DVBC3D4
M (g)	77	77
V (cc)	33	33
Size (mm) (HxWxD)	66 x 51 x 13	64 x 51 x 13
Connector	IS-1 / DF-1	DF-4
Max Program. / Delivered Energy (J)	35 / 36	



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



DEFIBRILLATORS (ICD)

Dual Chamber (DR)



COBALT™ XT DR MRI

SURESCAN™

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA and RV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry
- Bluetooth® Wireless Telemetry (BlueSync™ Technology)

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- SmartShock™ 2.0+ Technology with Intrinsic ATP™ Algorithm
- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ChargeSaver with ATP Before and During Charging
- Smart Mode
- Programmable RV sensing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Algorithm to help manage heart failure.

- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Updated Managed Ventricular Pacing Mode (MVP): AAI(R)DDDD(R)
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

Model	DDPA2D1	DDPA2D4
M (g)	79	80
V (cc)	33.1	33.7
Size (mm) (HxWxD)	66 x 51 x 14	66 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	40 / 40	40 / 40

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



COBALT™ DR MRI SURESCAN™

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA and RV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry
- Bluetooth® Wireless Telemetry (BlueSync™ Technology)

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Updated Managed Ventricular Pacing Mode (MVP): AAI:(R) DDDR(R)
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DDPB3D1	DDPB3D4
M (g)	79	80
V (cc)	33,1	33,7
Size (mm) (HxWxD)	66 x 51 x 14	64 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	40 / 40	40 / 40

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



CROME™ DR MRI SURESCAN™

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Capture Management (RA and RV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Updated Managed Ventricular Pacing Mode (MVP): AAI(R)DDD(R)
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DDPC3D1	DDPC3D4
M (g)	79	80
V (cc)	33.1	33.7
Size (mm) (HxWxD)	66 x 51 x 13	66 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	40 / 40	40 / 40

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



PRIMO MRI™ DR

SURESCAN™

DEFIBRILLATORS (ICD)

AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Managed Ventricular Pacing Mode (MVP): AAI(R)<->DDD(R)
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DDMD3D1	DDMD3D4
M (g)	77	78
V (cc)	33	34
Size (mm) (HxWxD)	66 x 51 x 15	68 x 51 x 15
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



MIRRO MRI™ DR

SURESCAN™

DEFIBRILLATORS (ICD)

AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- SVT Discriminators – PR Logic, Stability, Onset
- PR Logic programmable to discriminate SVT in VF zone

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Non-competitive Atrial Pacing (NCAP)

ADDITIONAL PACING FEATURES

- Managed Ventricular Pacing Mode (MVP): AAI(R)<->DDD(R)
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DDME3D1	DDME3D4
M (g)	77	78
V (cc)	33	34
Size (mm) (HxWxD)	66 x 51 x 13	66 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



EVERA MRI™ XT DR

SURESCAN™

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA and RV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Algorithm to help manage heart failure.

- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Managed Ventricular Pacing Mode (MVP): AA(R)<->DDD(R)
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

Model	DDMB2D1	DDBB2D4
M (g)	77	78
V (cc)	33	34
Size (mm) (HxWxD)	66 x 51 x 14	68 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



EVERA[®] XT DR

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA and RV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Algorithm to help manage heart failure.

- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Managed Ventricular Pacing Mode (MVP): AA(R)<->DDD(R)
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

**Subject to availability*

Model	DDBB2D1	DDBB2D4
M (g)	77	78
V (cc)	33	34
Size (mm) (HxWxD)	66 x 51 x 13	68 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



EVERA MRI™ S DR

SURESCAN™

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA and RV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Managed Ventricular Pacing Mode (MVP): AAI(R) <-> DDD(R)
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DDMC3D1	DDMC3D4
M (g)	77	78
V (cc)	33	34
Size (mm) (HxWxD)	66 x 51 x 14	68 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



EVERA[®] S DR

DEFIBRILLATORS (ICD)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA and RV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- Managed Ventricular Pacing Mode (MVP): AAI(R) <-> DDD(R)
- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DDBC3D1	DDBC3D4
M (g)	77	78
V (cc)	33	34
Size (mm) (HxWxD)	66 x 51 x 13	66 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



CRT DEFIBRILLATORS (CRT-D)



COBALT™ XT HF Quad CRT-D MRI SURESCAN™

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- SmartShock™ 2.0+ Technology with Intrinsic ATP™ Algorithm
- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- EffectivCRT Diagnostic and EffectivCRT During AF
- AdaptivCRT
- CardioSync Optimization Test
- Multiple Point Pacing (MPP)
- VectorExpress 2.0 LV Automated Test
- 16 LV pacing vectors with Quadripolar LV lead
- Sequential MPP
- Ventricular Sense Response (VSR)
- Managed Ventricular Pacing (MVP)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.

Model	DTPA2Q1 (Quad)	DTPA2QQ (Quad)
M (g)	82	83
V (cc)	36.3	35.5
Size (mm) (HxWxD)	74 x 51 x 13	74 x 51 x 13
Connector	IS-1 / IS-4 / DF-1	IS-1 / IS-4 / DF-4
Max Program. / Delivered Energy (J)	40 / 40	40 / 40

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



COBALT™ XT HF CRT-D MRI SURESCAN™

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- SmartShock™ 2.0+ Technology with Intrinsic ATP™ Algorithm
- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- EffectivCRT Diagnostic and EffectivCRT During AF
- AdaptivCRT
- CardioSync Optimization Test
- Ventricular Sense Response (VSR)
- Managed Ventricular Pacing (MVP)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

Model	DTPA2D1	DTPA2D4
M (g)	82	82.1
V (cc)	35	35
Size (mm) (HxWxD)	71 x 51 x 13	71 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	40 / 40	40 / 40

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



COBALT™ HF Quad CRT-D MRI SURESCAN™

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- AdaptivCRT
- CardioSync Optimization Test
- Multiple Point Pacing (MPP)
- VectorExpress 2.0 LV Automated Test
- 16 LV pacing vectors with Quadripolar LV lead
- Sequential MPP Ventricular Sense Response (VSR)
- Managed Ventricular Pacing (MVP)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

Model	DTPB2Q1 (Quad)	DTPB2QQ (Quad)
M (g)	83	83
V (cc)	36.3	35.5
Size (mm) (HxWxD)	74 x 51 x 13	74 x 51 x 13
Connector	IS-1 / IS-4 / DF-1	IS-1 / IS-4 / DF-4
Max Program. / Delivered Energy (J)	40 / 40	40 / 40

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



COBALT™ HF CRT-D MRI SURESCAN™

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- AdaptivCRT
- CardioSync Optimization Test
- Ventricular Sense Response (VSR)
- Managed Ventricular Pacing (MVP)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

**Subject to availability*

Model	DTPB2D1	DTPB2D4
M (g)	82	82.1
V (cc)	35	35
Size (mm) (HxWxD)	71 x 51 x 13	71 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	40 / 40	40 / 40

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



CROME™ HF Quad CRT-D MRI SURESCAN™

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- CardioSync Optimization Test
- Multiple Point Pacing (MPP)
- VectorExpress 2.0 LV Automated Test
- Ventricular Sense Response (VSR)
- Managed Ventricular Pacing (MVP)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- Mode Switch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

Model	DTPC2Q1 (Quad)	DTPC2QQ (Quad)
M (g)	83	83
V (cc)	36.3	35.5
Size (mm) (HxWxD)	74 x 51 x 13	74 x 51 x 13
Connector	IS-1 / IS-4 / DF-1	IS-1 / IS-4 / DF-4
Max Program. / Delivered Energy (J)	40 / 40	40 / 40

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



CROME™ HF CRT-D MRI SURESCAN™

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- Bluetooth® Wireless Telemetry (BlueSync™ Technology)
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- CardioSync Optimization Test
- Ventricular Sense Response (VSR)
- Managed Ventricular Pacing (MVP)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- Mode Switch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

Model	DTPC2D1	DTPC2D4
M (g)	82	82.1
V (cc)	35	35
Size (mm) (HxWxD)	71 x 51 x 13	71 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	40 / 40	40 / 40

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



CLARIA MRI™ QUAD CRT-D SURESCAN™

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- EffectivCRT Diagnostic and EffectivCRT During AF
- AdaptivCRT
- CardioSync Optimization Test
- Multiple Point Pacing (MPP)
- VectorExpress 2.0 LV Automated Test
- 16 LV pacing vectors and 5 vectors for MPP with Quadripolar LV lead
- Ventricular Sense Response (VSR)
- Managed Ventricular Pacing (MVP)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.

Model	DTMA2Q1 (Quad)	DTMA2QQ (Quad)
M (g)	82	81
V (cc)	36	35
Size (mm) (HxWxD)	74 x 51 x 13	74 x 51 x 13
Connector	IS-1 / IS-4 / DF-1	IS-1 / IS-4 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



CLARIA MRI™ CRT-D

SURESCAN™

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- EffectivCRT Diagnostic and EffectivCRT During AF
- AdaptivCRT
- CardioSync Optimization Test
- Ventricular Sense Response (VSR)
- Managed Ventricular Pacing (MVP)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.

Model	DTMA2D1	DTMA2D4
M (g)	80	80
V (cc)	35	35
Size (mm) (HxWxD)	71 x 51 x 13	73 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



AMPLIA MRI™ QUAD CRT-D

SURESCAN™

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- AdaptivCRT
- CardioSync Optimization Test
- Multiple Point Pacing (MPP)
- VectorExpress LV Automated Test
- 16 LV pacing vectors and 5 vectors for MPP with Quadripolar LV lead
- Ventricular Sense Response (VSR)
- Managed Ventricular Pacing (MVP)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias. Automatic and Patient-activated atrial cardioversion (CV)

- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.

Model	DTMB2Q1 (Quad)	DTMB2QQ (Quad)
M (g)	82	81
V (cc)	36	35
Size (mm) (HxWxD)	74 x 51 x 13	74 x 51 x 13
Connector	IS-1 / IS-4 / DF-1	IS-1 / IS-4 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



AMPLIA MRI™ CRT-D

SURESCAN™

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- AdaptivCRT
- CardioSync Optimization Test
- Ventricular Sense Response (VSR)
- Managed Ventricular Pacing (MVP)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.

Model	DTMB2D1	DTMB2D4
M (g)	80	80
V (cc)	35	35
Size (mm) (HxWxD)	71 x 51 x 13	73 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



COMPIA MRI™ QUAD CRT-D SURESCAN™

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- CardioSync Optimization Test
- VectorExpress LV Automated Test
- 16 LV pacing vectors with Quadripolar LV lead
- Ventricular Sense Response (VSR)
- Managed Ventricular Pacing (MVP)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS Quick Look II

- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

Model	DTMC2QQ (Quad)
M (g)	81
V (cc)	35
Size (mm) (HxWxD)	74 x 51 x 13
Connector	IS-1 / IS-4 / DF-4
Max Program. / Delivered Energy (J)	35 / 36

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



COMPIA MRI™ CRT-D

SURESCAN™

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- CardioSync Optimization Test
- Ventricular Sense Response (VSR)
- Managed Ventricular Pacing (MVP)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

Model	DTMC2D1	DTMC2D4
M (g)	80	80
V (cc)	35	35
Size (mm) (HxWxD)	71 x 51 x 13	71 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan lead:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



VIVA™ QUAD XT CRT-D

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- AdaptivCRT
- CardioSync Optimization Test
- VectorExpress LV Automated Test
- 16 LV pacing vectors with Quadripolar LV lead
- Ventricular Sense Response (VSR)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

Automatic and Patient-activated atrial cardioversion (CV)

- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

Model	DTBA2Q1 (Quad)	DTBA2QQ (Quad)
M (g)	82	81
V (cc)	36	35
Size (mm) (HxWxD)	74 x 51 x 13	74 x 51 x 13
Connector	IS-1 / IS-4 / DF-1	IS-1 / IS-4 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



VIVA™ XT CRT-D

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- AdaptivCRT
- CardioSync Optimization Test
- 4 LV pacing vectors
- Ventricular Sense Response (VSR)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

**Subject to availability*

Model	DTBA2D1	DTBA2D4
M (g)	80	80
V (cc)	35	35
Size (mm) (HxWxD)	71 x 51 x 13	73 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



VIVA™ QUAD S CRT-D

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- CardioSync Optimization Test
- VectorExpress LV Automated Test
- 16 LV pacing vectors with Quadripolar LV lead
- Ventricular Sense Response (VSR)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

*Subject to availability

Model	DTBB2QQ (Quad)
M (g)	81
V (cc)	35
Size (mm) (HxWxD)	74 x 51 x 13
Connector	IS-1 / IS-4 / DF-1
Max Program. / Delivered Energy (J)	35 / 36



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



VIVA™ S CRT-D

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- CardioSync Optimization Test
- 4 LV pacing vectors
- Ventricular Sense Response (VSR)
- Atrial Tracking Recovery (ATR)
- OptiVol 2.0
- Heart Failure Risk Stratification (TriageHF)*

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Automatic and Patient-activated atrial cardioversion (CV)
- Atrial ATP with Reactive ATP
- ModeSwitch with Post Mode Switch overdrive Pacing (PMOP)
- Atrial Preference Pacing (APP)
- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)
- Atrial Rate Stabilization (ARS)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Rate Drop Response with 2 detection algorithms
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Heart Failure Management Report
- Leadless ECG

**Subject to availability*

Model	DTBB2D1	DTBB2D4
M (g)	80	80
V (cc)	35	35
Size (mm) (HxWxD)	71 x 51 x 13	73 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



BRAVA™ QUAD CRT-D

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ATP Before and During Charging with ChargeSaver
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- SVT Discriminators – PR Logic, Wavelet, Stability, Onset
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- CardioSync Optimization Test
- VectorExpress LV Automated Test
- 16 LV pacing vectors with Quadripolar LV lead
- Ventricular Sense Response (VSR)
- Atrial Tracking Recovery (ATR)

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DTBC2Q1 (Quad)	DTBC2QQ (Quad)
M (g)	82	81
V (cc)	36	35
Size (mm) (HxWxD)	74 x 51 x 13	74 x 51 x 13
Connector	IS-1 / IS-4 / DF-1	IS-1 / IS-4 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



BRAVA™ CRT-D

CRT DEFIBRILLATORS (CRT-D)

COMPLETELY AUTOMATIC – SIMPLE TO USE

Continuously adapts key device parameters to ensure the therapies are optimized.

- TherapyGuide
- Capture Management (RA, RV and LV)
- Auto-adjusting sensitivity (RA and RV)
- CareAlert sounds incl. Lead Integrity Alert (LIA)
- CareLink connectivity
- Wireless telemetry

VT/VF MANAGEMENT

Therapies and algorithms to help manage ventricular tachyarrhythmias.

- Ventricular cardioversion/defibrillation
- Ventricular antitachycardia pacing (ATP)
- ChargeSaver with ATP Before and During Charging
- Smart Mode
- Programmable RV sensing and pacing polarity
- Programmable HV shocking vectors
- 3 detection zones allowing VF and FVT zone overlap
- T-Wave and RV Lead Noise Discriminators
- Confirmation+
- PR Logic and Wavelet programmable to discriminate SVT in VF zone

HEART FAILURE (HF) MANAGEMENT

Pacing therapies and algorithms to help manage heart failure.

- CardioSync Optimization Test
- 4 LV pacing vectors
- Ventricular Sense Response (VSR)
- Atrial Tracking Recovery (ATR)

AT/AF MANAGEMENT

Therapies and algorithms to help manage atrial tachyarrhythmias.

- Conducted AF Response (CAFR)
- Non-competitive Atrial Pacing (NCAP)

ADDITIONAL PACING FEATURES

- PVC Response
- Ventricular Safety Pacing (VSP)
- Ventricular Rate Stabilization (VRS)
- Dual Zone Rate Response Pacing with Rate Profile Optimization

DIAGNOSTICS

- Quick Look II
- Cardiac Compass Trends
- Leadless ECG

Model	DTBC2D1	DTBC2D4
M (g)	80	80
V (cc)	35	35
Size (mm) (HxWxD)	71 x 51 x 13	73 x 51 x 13
Connector	IS-1 / DF-1	IS-1 / DF-4
Max Program. / Delivered Energy (J)	35 / 36	



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



IPG LEADS AND SYSTEMS



CAPSURE SENSE MRI™

SURESCAN™

PACING LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting
- Lengths for 4574: 45, 53 (cm)
- Lengths for 4074: 52, 58 (cm)

CONNECTOR

- IS1 Bipolar

DIAMETER

- Body: 1.8 mm (5.3 Fr)

ELECTRODES

- Porous Ring Shape
- Electrode Surface Area
 - Tip: 2.5 mm²
 - Ring: 24.0 mm²
- Tip-to-Ring Spacing for 4574: 9 mm
- Tip-to-Ring Spacing for 4074: 17 mm

MATERIAL

- Insulator: Polyurethane (outer 55D), Silicone (inner)
- Conductor: MP35N Nickel Alloy
- Tip Electrode: Platinum/Iridium with porous Titanium Nitride coating
- Ring Electrode: Platinum Alloy with porous Titanium Nitride coating

STYLETS WITH 4574

- Inserted
 - 1 gray straight
- Packaged
 - 2 purple straight

STYLETS WITH 4074

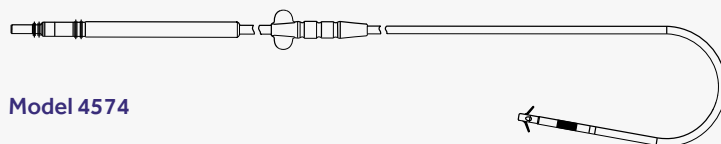
- Inserted
 - 1 gray straight
- Packaged
 - 1 gray straight
 - 2 purple straight

Model	4574	4074
Fixation	Passive / Tines	
Shape Chambers	J-shaped RA	Straight RV
Polarity	Bipolar	
Insulation	Polyurethane	
Introducer Size with/out Guidewire (Fr)	7.0 / 9.0	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



CAPSUREFIX NOVUS MRI®

SURESCAN™

PACING LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting
- Standard Lengths: 45, 52, 58, 65, 85 (cm)

CONNECTOR

- IS1 Bipolar

DIAMETER

Body: 1.9 mm (5.7 Fr)

ELECTRODES

- Extendable/Retractable Helix Screw
- Helix Length: 1.8 mm
- Electrode Surface Area
 - Helix: 4.2 mm²
 - Ring: 22.0 mm²
- Tip-to-Ring Spacing: 10.0 mm

MATERIAL

- Insulator: Polyurethane (outer 55D), Silicone with Siloxane® treatment (inner)
- Conductor: MP35N Nickel Alloy
- Helix Electrode: Platinum Alloy with porous Titanium Nitride coating
- Ring Electrode: Platinum Alloy with porous Titanium Nitride coating
- Connector Ring: Stainless steel
- Connector Pin: Stainless steel

STYLETS

- Inserted
 - 1 gray straight
- Packaged
 - 1 gray straight
 - 1 blue straight
 - 1 gray J-shaped*
 - 1 blue J-shaped*
 - 1 white J-shaped*

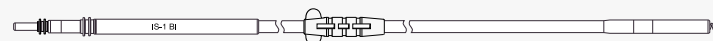
* Not available for leads 65 or 85 cm

Model	4076
Fixation	Active/ Screw-in
Shape / Chambers	Straigh / RA and RV
Polarity	Bipolar
Insulation	Polyurethane
Introducer Size with/out Guidewire (Fr)	7.0 / 9.0

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



Model 4076

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



CAPSUREFIX NOVUS MRI®

SURESCAN™

PACING LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting
- Standard Lengths: 35, 45, 52, 58, 65, 85 (cm)

CONNECTOR

- IS1 Bipolar

DIAMETER

- Body: 2.0 mm (6.1 Fr)

ELECTRODES

- Extendable/Retractable Helix Screw
- Helix Length: 1.8 mm
- Electrode Surface Area
 - Helix: 4.2 mm²
 - Ring: 22.0 mm²
- Tip-to-Ring Spacing: 10.0 mm

MATERIAL

- Insulator: Silicone with Siloxane® treatment (inner)
- Conductor: MP35N Nickel Alloy
- Helix Electrode: Platinized Platinum Alloy
- Ring Electrode: Platinized Platinum Alloy
- Connector Ring: Stainless steel
- Connector Pin: Stainless steel

STYLETS

- Inserted
 - 1 gray straight
- Packaged
 - 1 gray straight
 - 1 blue straight
 - 1 gray J-shaped*
 - 1 blue J-shaped*
 - 1 white J-shaped*

* Not available for leads 65 or 85 cm

Model	5076
Fixation	Active/ Screw-in
Shape / Chambers	Straigh / RA and RV
Polarity	Bipolar
Insulation	Silicone
Introducer Size with/out Guidewire (Fr)	7.0 / 9.0

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



Model 5076

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SELECTSECURE® MRI

SURESCAN™

PACING LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting
- Standard Lengths: 59, 69, 74 (cm)

CONNECTOR

- IS1 Bipolar

DIAMETER

- Body: 1.4 mm (4.1 Fr)

ELECTRODES

- Fixed Screw
- Helix Length: 1.8 mm
- Electrode Surface Area
 - Helix: 3.56 mm²
 - Ring: 16.9 mm²
- Tip-to-Ring Spacing: 9.0 mm

RECOMMENDED GUIDE CATHETER*

- C315 or C304

*Not included in the package – to be ordered separately

Model	3830
Fixation	Active/ Screw-in
Shape / Chambers	Straigh / RA and RV
Polarity	Bipolar
Insulation	Polyurethane
Introducer Size with/out Guidewire	5.5 Fr Inner Diameter

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



Model 3830

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SELECTSITE®

DEFLECTABLE CATHETER

PACING LEADS AND DELIVERY SYSTEMS

GENERAL

- Deflectable guide catheters for SelectSecure® Model 3830 leads

DEFLECTABLE CATHETER

- Material: Polyether block amide

CATHETER DILATOR

- Material: Polyethylene
- Outer diameter: 1.85 mm (5.6 Fr)

GUIDE WIRE

- Material: Stainless steel
- Length: 120 cm
- Diameter: 0.09 cm, 0.035 in

INTRODUCER VALVE

- Material: Silicone
- Inner diameter: 9 Fr max

UNIVERSAL II SLITER

- Blade Material: Stainless steel
- Handle Material: Polycarbonate

NEEDLE (not included into C304-HIS package)

- 18 gauge, 1.2 mm

SYRINGE (not included into C304-HIS package)

- 12 cc

Model	C304 -HIS	C304S 59	C304L 69	C304XL 74
Description	Deflectable + preshaped		Deflectable	
Length	43 cm	30 cm	40 cm	45 cm
Compatible Lead	3830-59, 69,74	3830-59	3830-69	3830-74
Inner Diameter (mm (Fr))		1.9 (5.7)		
Outer Diameter (mm (Fr))		2.8 (8.4)		



Model C304S59, C304L69, C304XL74



Model C304-HIS

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



C315

CATHETER

PACING LEADS AND DELIVERY SYSTEMS

GENERAL

- Fixed shape guide catheters for SelectSecure® Model 3830 leads
- Package includes only catheter and dilator
- Package does not include introducer, guide wire, slitter, needle nor syringe
- To be ordered separately
- Use of introducer is optional – C315 catheter and dilator can be produced directly into the vein

CATHETER DILATOR

- Material: Polyether block amide
- Integrated valve
- In-line hub
- Hydrophilic coating
- Compatible with a 7 Fr Introducer
- Compatible with:
 - Universal II slitter 6230 UNI (to be ordered separately)
 - Adjustable slitter 6232 ADJ (to be ordered separately)

DILATOR

- Compatible with a 0.038" guide wire

Model	C315H20	C315J	C315S4	C315S5
Description	Fixed shape			
Length (cm)	20	30	30	30
Compatible Lead	for 49 cm or longer 3830 leads	for 59 cm or longer 3830 leads		
Inner Diameter (mm (Fr))	1.8 (5.4)			
Outer Diameter (mm (Fr))	2.4 (7.0)			

Model	C315S10	C315H40	C315HIS
Description	Fixed shape		
Length (cm)	40	40	43
Compatible Lead	for 69 cm or longer 3830 leads		
Inner Diameter (mm (Fr))	1.8 (5.4)		
Outer Diameter (mm (Fr))	2.4 (7.0)		



Model S4

Model S5

Model S10



Model J

Model H20

Model H40

Model HIS

NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



CAPSURE® EPI

PACING LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting
- Lengths for 4965: 25, 35, 50 (cm)
- Lengths for 4968: 25, 35, 60 (cm)

CONNECTOR

- IS1 Unipolar (4965)
- IS1 Bipolar (4968)

DIAMETER

- Body for 4965: 1.5 mm (4.5 Fr)
- Body for 4968: 2.5 mm (8.0 Fr)

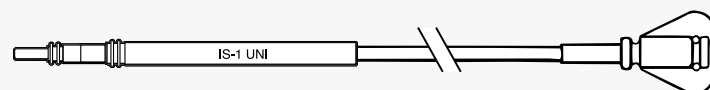
ELECTRODES

- Hemispherical, Platinized, Porous
- Electrode Surface Area for 4965
 - Cathode: 14 mm²
- Electrode Surface Area for 4968
 - Cathode: 6 mm²
 - Anode: 14 mm²

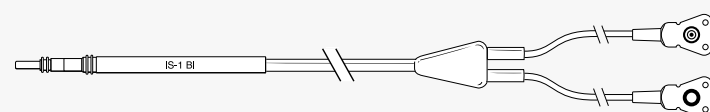
MATERIAL

- Insulator: Silicone
- Conductor: MP35N Nickel Alloy
- Electrode: Platinized Platinum

Model	4965	4968
Fixation	Sutured / Epicardial	
Shape / Chambers	RA and RV	
Polarity	Unipolar	Bipolar
Insulation	Silicone	



Model 4965



Model 4968

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SCREW-IN

PACING LEADS AND DELIVERY SYSTEMS

GENERAL

- Lengths: 25, 35, 53 (cm)

CONNECTOR

- IS1 Unipolar

DIAMETER

- Body: 2.2 mm (6.5 Fr)

ELECTRODES

- Helical Screw
- Helix Length: 1.8 mm²
- Electrode Surface Area
 - Cathode: 6.6 mm²

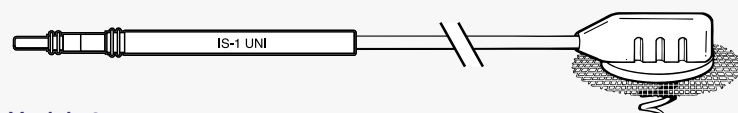
MATERIAL

- Insulator: Silicone
- Conductor: MP35N Nickel Alloy
- Electrode: Platinized Alloy

EPICARDIAL IMPLANT TOOL 10626 – SOLD SEPARATELY

- Device Length
 - Overall: 350 mm
 - Shaft: 180 mm
- Shaft Angle: 65°
- Material
 - Acetal resin and stainless steel

Model	5071
Fixation	Screw-in / Epicardial
Shape / Chambers	RV
Polarity	Unipolar
Insulation	Silicone



Model 5071

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



DEFIBRILLATION LEADS AND DELIVERY SYSTEMS



SPRINT QUATTRO® MRI

SURESCAN™

DEFIBRILLATION LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting
- Standard Length: for 6946M: 55, 62 (cm)

DIAMETER

- Body: 2.8 mm (8.6 Fr)

ELECTRODES

- Electrode Surface Area
 - Tip: 2.5 mm²
 - Ring: 25.2 mm²
 - RV Coil: 614 mm²
 - SVC Coil: 860 mm²
- Electrode Lengths
 - RV Coil: 57 mm
 - SVC Coil: 80 mm
- Tip-to-Ring Spacing: 8 mm
- Tip-to-RVCoil Spacing: 12 mm

MATERIAL

- Insulator: Silicone, PTFE, ETFE
- Conductors: MP35N
- Tubing Design: Multilumen with Compression Lumens
- Tip and Ring Electrodes: Sintered (Tip) Platinum/Iridium alloy with Titanium Nitride (TiN) coating
- RV/SVC coils: Platinum-clad Tantalum

STYLETS

- Inserted
 - 1 purple straight
- Packaged
 - 2 purple straight
 - 2 gray straight

Model	6946M
Fixation	Passive / Tines
Polarity	Quadripolar
Defibrillation Coils	RV / SVC
Connectors	1x DF4
Insulation	Silicone
Introducer Size without/with Guidewire (Fr)	9.0 / 11

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



Model 6946M

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SPRINT QUATTRO®

DEFIBRILLATION LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting
- Standard Length: for 6946M: 72 (cm)

DIAMETER

- Body for 6946M: 2.8 mm (8.6 Fr)

ELECTRODES

- Electrode Surface Area
 - Tip: 2.5 mm²
 - Ring: 25.2 mm²
 - RV Coil: 614 mm²
 - SVC Coil: 860 mm²
- Electrode Lengths
 - RV Coil: 57 mm
 - SVC Coil: 80 mm
- Tip-to-Ring Spacing: 8 mm
- Tip-to-RVCoil Spacing: 12 mm

MATERIAL

- Insulator: Silicone, PTFE, ETFE
- Conductors: MP35N
- Tubing Design: Multilumen with Compression Lumens
- Tip and Ring Electrodes: Sintered (Tip) Platinum/Iridium alloy with Titanium Nitride (TiN) coating
- RV/SVC coils: Platinum-clad Tantalum

STYLETS

- Inserted
 - 1 purple straight
- Packaged
 - 2 purple straight
 - 2 gray straight

Model	6946M
Fixation	Passive / Tines
Polarity	Quadripolar
Defibrillation Coils	RV / SVC
Connectors	1x DF4
Insulation	Silicone
Introducer Size without/with Guidewire (Fr)	9.0 / 11



Model 6946M

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SPRINT QUATTRO SECURE S MRI™

SURESCAN™

DEFIBRILLATION LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting
- Lengths for 6935: 58, 65 (cm)
- Lengths for 6935M: 55, 62 (cm)

DIAMETER

- Body: 2.8 mm (8.6 Fr)

ELECTRODES

- Electrode Surface Area
 - Tip: 5.7 mm²
 - Ring: 25.2 mm²
 - RV Coil: 614 mm²
- Electrode Lengths
 - RV Coil: 57 mm
- Tip-to-Ring Spacing: 8 mm
- Tip-to-RVCoil Spacing: 12 mm

MATERIAL

- Insulator: Silicone, PTFE, ETFE
- Conductors: MP35N
- Tubing Design: Multilumen with Extra Lumens
- Tip and Ring Electrodes: Platinized platinum alloy
- RV coil: Platinum-clad Tantalum

STYLETS

- Inserted
 - 1 purple straight
- Packaged
 - 2 purple straight
 - 2 gray straight

Model	6935	6935M
Fixation	Active/ Screw-in	
Polarity	Tripolar	
Defibrillation Coils	RV	
Connectors	1x IS1 1 x DF1	1x DF4
Insulation	Silicone	
Introducer Size without/with Guidewire (Fr)	9.0 / 11	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



Model 6935



Model 6935M

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SPRINT QUATTRO SECURE S®

DEFIBRILLATION LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting
- Lengths for 6935: 52, 75, 100 (cm)
- Lengths for 6935M: 49, 72, 97 (cm)

DIAMETER

- Body: 2.8 mm (8.6 Fr)

ELECTRODES

- Electrode Surface Area
 - Tip: 5.7 mm²
 - Ring: 25.2 mm²
 - RV Coil: 614mm²
- Electrode Lengths
 - RV Coil: 57 mm
- Tip-to-Ring Spacing: 8 mm
- Tip-to-RVCoil Spacing: 12 mm

MATERIAL

- Insulator: Silicone, PTFE, ETFE
- Conductors: MP35N
- Tubing Design: Multilumen with Extra Lumens
- Tip and Ring Electrodes: Platinized platinum alloy
- RV coil: Platinum-clad Tantalum

STYLETS

- Inserted
 - 1 purple straight
- Packaged
 - 2 purple straight
 - 2 gray straight

Model	6935	6935M
Fixation	Active/ Screw-in	
Polarity	Tripolar	
Defibrillation Coils	RV	
Connectors	1x IS1 1 x DF1	1x DF4
Insulation	Silicone	
Introducer Size without/with Guidewire (Fr)	9.0 / 11	



Model 6935



Model 6935M

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SPRINT QUATTRO SECURE MRI™

SURESCAN™

DEFIBRILLATION LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting
- Lengths for 6947: 58, 65 (cm)
- Lengths for 6947M: 55, 62 (cm)

DIAMETER

- Body: 2.8 mm (8.6 Fr)

ELECTRODES

- Electrode Surface Area
 - Tip: 5.7 mm²
 - Ring: 25.2 mm²
 - RV Coil: 614mm²
 - SVC Coil: 860mm²
- Electrode Lengths
 - RV Coil: 57 mm
 - SVC Coil: 80 mm
- Tip-to-Ring Spacing: 8 mm
- Tip-to-RVCoil Spacing: 12 mm

MATERIAL

- Insulator: Silicone, PTFE, ETFE
- Conductors: MP35N
- Tubing Design: Multilumen with Extra Lumens
- Tip and Ring Electrodes: Platinized platinum alloy
- RV/SVC coil: Platinum-clad Tantalum

STYLETS

- Inserted
 - 1 purple straight
- Packaged
 - 2 purple straight
 - 2 gray straight

Model	6947	6947M
Fixation	Active/ Screw-in	
Polarity	Quadripolar	
Defibrillation Coils	RV/SVC	
Connectors	1x IS1 2x DF1	1x DF4
Insulation	Silicone	
Introducer Size without/with Guidewire (Fr)	9.0 / 11	

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



Model 6947



Model 6947M

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SPRINT QUATTRO SECURE®

DEFIBRILLATION LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting
- Lengths for 6947: 75, 100 (cm)
- Lengths for 6947M: 72, 97 (cm)

DIAMETER

- Body: 2.8 mm (8.6 Fr)

ELECTRODES

- Electrode Surface Area
 - Tip: 5.7 mm²
 - Ring: 25.2 mm²
 - RV Coil: 614 mm²
 - SVC Coil: 860 mm²
- Electrode Lengths
 - RV Coil: 57 mm
 - SVC Coil: 80 mm
- Tip-to-Ring Spacing: 8 mm
- Tip-to-RVCoil Spacing: 12 mm

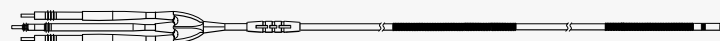
MATERIAL

- Insulator: Silicone, PTFE, ETFE
- Conductors: MP35N
- Tubing Design: Multilumen with Extra Lumens
- Tip and Ring Electrodes : Platinized platinum alloy
- RV/SVC coils: Platinum-clad Tantalum

STYLETS

- Inserted
 - 1 purple straight
- Packaged
 - 2 purple straight
 - 2 gray straight

Model	6947	6947M
Fixation	Active/ Screw-in	
Polarity	Quadripolar	
Defibrillation Coils	RV/SVC	
Connectors	1x IS1 2x DF1	1x DF4
Insulation	Silicone	
Introducer Size without/with Guidewire (Fr)	9.0 / 11	



Model 6947



Model 6947M

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



TRANSVENE LEAD

DEFIBRILLATION LEADS AND DELIVERY SYSTEMS

GENERAL

- Standard Length: 50 (cm)

DIAMETER

- Body: 2.5 mm (7.5 Fr)

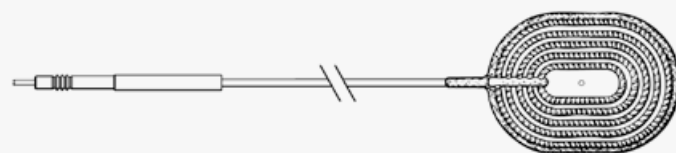
ELECTRODES

- Electrode Surface Area
 - 6721S: 370 mm²
 - 6721M: 660 mm²
 - 6721ML: 840 mm²

MATERIAL

- Insulator: Silicone
- Conductor: Multifilar MP35N Composite
- Electrode Surface: Platinum Alloy

Model	6721S	6721M	6721L
Fixation		Sutures	
Polarity		Unipolar	
Defibrillation Coils		Epi Patch	
Connectors		1x DF1	
Insulation		Silicone	
Introducer Size without/with Guidewire (cm)	3 coils: 5.0 x 8.0	4 coils: 6.1 x 9.1	5 coils: 7.2 x 10.2



Model 6721 (S/M/L)

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



TRANSVENE LEAD

DEFIBRILLATION LEADS AND DELIVERY SYSTEMS

GENERAL

- Standard Lengths: 35, 52, 58, 110 (cm)

DIAMETER

- Body: 1.8 mm (7.5 Fr)

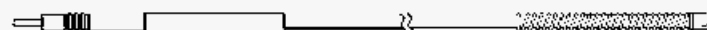
ELECTRODES

- Electrode Surface Area
 - Coil: 160 mm²
- Electrode Length:
 - Coil: 80 mm

MATERIAL

- Insulator: Silicone
- Conductor: Multifilar MP35N Composite
- Electrode Surface: Platinum Alloy

Model	6937
Fixation	N/A
Polarity	Unipolar
Defibrillation Coils	SVC
Connectors	1 x DF1
Insulation	Silicone
Introducer Size without/with Guidewire (Fr)	9.0 / 10.5



Model 6937

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SUBCUTANEOUS LEAD

DEFIBRILLATION LEADS AND DELIVERY SYSTEMS

GENERAL

- Standard Lengths: 41, 58 (cm)

DIAMETER

- Body: 2.5 mm (7.5 Fr)

ELECTRODES

- Electrode Surface Area
 - Coil: 500 mm²
- Electrode Length:
 - Coil: 250 mm

MATERIAL

- Insulator: Silicone
- Conductor: Multifilar MP35N Composite
- Electrode Surface: Platinum Alloy

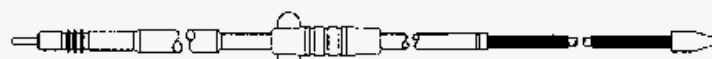
CONTENTS OF STERILE PACKAGE

- 1 Model 6996 SQ Lead (with stylet + stylet guide)
- 2 introducer sheaths 10.5 Fr x 33 cm length
- 2 PTFE split tubings
- 2 slitters

TUNNELING TOOL 6996T – SOLD SEPARATELY

- Device Length
 - Overall: 421 mm
 - Tunneling: 338 mm
- Material
 - Stainless Steel
- Tunneling Diameter: 3.1 mm

Model	6996SQ
Fixation	Sutures on Anchoring Sleeve
Polarity	Unipolar
Defibrillation Coils	Subcutaneous
Connectors	1 x DF1
Insulation	Silicone
Introducer Size without/with Guidewire (Fr)	10.5 x 33 cm Length



Model 6996SQ

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



LEFT-HEART LEADS AND DELIVERY SYSTEMS



ATTAIN ABILITY™ MRI

SURESCAN™

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting on all electrodes
- Standard Lengths: 78, 88 (cm)

CONNECTOR

- IS1 Bipolar

DIAMETER

- Body: 1.3 mm (4.0 Fr)

ELECTRODES

- Dual electrode, 21 mm spacing
- Electrode Surface Area
 - Tip: 5.8 mm²
 - Ring: 5.8 mm²

MATERIAL

- Insulator: Polyurethane-outer, SI-Polyimide-inner
- Conductor: SI-PI coated 25% Ag-core-MP35N
- Tip Electrode: Platinum/Iridium with Titanium Nitride coating
- Ring Electrode: Platinum/Iridium with Titanium Nitride coating
- Connector Pin: Stainless Steel
- Connector Ring: Stainless Steel

RECOMMENDED GUIDE WIRE

- Diameter: 0.014 to 0.018 in
- Attain Hybrid GWR419678, Purple knob, 98 cm – for 4196-78
- Attain Hybrid GWR419688, Purple knob, 108 cm – for 4196-88

RECOMMENDED STYLET

- Diameter: 0.014 to 0.016 in

ACCESSORIES PACKAGED WITH LEAD

- Lead with Anchoring Sleeve
- Guide Wire Insertion Tool
- Guide Wire Steering Handle
- Guide Wire Clip
- Stylets

STYLETS

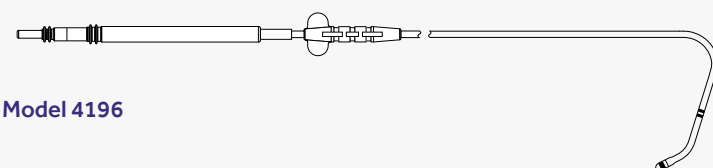
- Packaged
 - 2 gray straight
 - 2 purple straight

Model	4196
Fixation	Preformed Body
Shape / Chambers	Dual Canted / LV
Polarity	Bipolar
Insulation	Polyurethane
Guide Catheter Size (Inner Diameter) (Fr)	5.7

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



Model 4196

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ATTAIN ABILITY™ PLUS MRI

SURESCAN™

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting on all electrodes
- Standard Lengths: 78, 88 (cm)

CONNECTOR

- IS1 Bipolar

DIAMETER

- Body: 1.77 mm (5.3 Fr)

ELECTRODES

- Dual electrode, 21 mm spacing
- Electrode Surface Area
 - Tip: 5.8 mm²
 - Ring: 5.8 mm²

MATERIAL

- Insulator: Polyurethane-outer, SI-Polyimide-inner
- Conductor: SI-PI coated 25% Ag-core-MP35N
- Tip Electrode: Platinum/Iridium with Titanium Nitride coating
- Ring Electrode: Platinum/Iridium with Titanium Nitride coating
- Connector Pin: Stainless Steel
- Connector Ring: Stainless Steel

RECOMMENDED GUIDE WIRE

- Diameter: 0.014 to 0.018 in
- Attain Hybrid GWR419678, Purple knob, 98 cm – for 4296-78
- Attain Hybrid GWR419688, Purple knob, 108 cm – for 4296-88

RECOMMENDED STYLET

- Diameter: 0.014 to 0.016 in

ACCESSORIES PACKAGED WITH LEAD

- Lead with Anchoring Sleeve
- Guide Wire Insertion Tool
- Guide Wire Steering Handle
- Guide Wire Clip
- Stylets

STYLETS

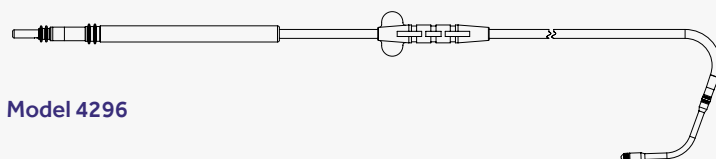
- Packaged
 - 2 gray straight
 - 2 purple straight

Model	4296
Fixation	Preformed Body
Shape / Chambers	Dual Canted / LV
Polarity	Bipolar
Insulation	Polyurethane
Guide Catheter Size (Inner Diameter) (Fr)	5.7

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



Model 4296

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ATTAIN ABILITY™ STRAIGHT MRI SURESCAN™

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting on all electrodes
- Standard Lengths: 78, 88 (cm)

CONNECTOR

- IS1 Bipolar

DIAMETER

- Body: 1.3 mm (4.0 Fr)

ELECTRODES

- Dual electrode, 21 mm spacing
- Electrode Surface Area
 - Tip: 5.8 mm²
 - Ring: 5.8 mm²

MATERIAL

- Insulator: Polyurethane-outer, SI-Polyimide-inner
- Conductor: SI-PI coated 25% Ag-core-MP35N
- Tip Electrode: Platinum/Iridium with Titanium Nitride coating
- Ring Electrode: Platinum/Iridium with Titanium Nitride coating
- Connector Pin: Stainless Steel
- Connector Ring: Stainless Steel

RECOMMENDED GUIDE WIRE

- Diameter: 0.014 to 0.018 in
- Attain Hybrid GWR419678, Purple knob, 98 cm – for 4396-78
- Attain Hybrid GWR419688, Purple knob, 108 cm – for 4396-88

RECOMMENDED STYLET

- Diameter: 0.014 to 0.018 in

ACCESSORIES PACKAGED WITH LEAD

- Lead with Anchoring Sleeve
- Guide Wire Insertion Tool
- Guide Wire Steering Handle
- Guide Wire Clip
- Stylets

STYLETS

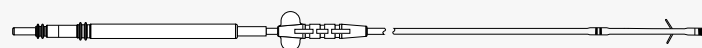
- Packaged
 - 2 gray straight
 - 2 purple straight

Model	4396
Fixation	Tines
Shape / Chambers	Straight / LV
Polarity	Bipolar
Insulation	Polyurethane
Guide Catheter Size (Inner Diameter) (Fr)	5.7

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



Model 4396

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ATTAIN PERFORMA™ MRI

SURESCAN™

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting on all electrodes
- Standard Lengths: 78, 88 (cm)

CONNECTOR

- IS4-LLLL

DIAMETER

- Body: 1.7 mm (5.3 Fr)

ELECTRODES

- Electrodes Surface Area
 - All: 5.8 mm²
- Distance between electrodes:
 - LV1-LV2: 21 mm
 - LV2-LV3: 1.3 mm
 - LV3-LV4: 21 mm

MATERIAL

- Insulator: Polyurethane-outer, SI-Polyimide-inner
- Conductor: SI-PI coated 25% Ag-core-MP35N
- Tip Electrode: Platinum/Iridium with Titanium Nitride coating
- Ring Electrode: Platinum/Iridium with Titanium Nitride coating
- Connector Pin: MP35N
- Connector Ring: MP35N

RECOMMENDED GUIDE WIRE

- Diameter: 0.014 to 0.018 in
- Attain Hybrid GWR419578, Orange knob, 98 cm – for 4298-78
- Attain Hybrid GWR419488, Orange knob, 108 cm – for 4298-88

ACCESSORIES PACKAGED WITH LEAD

- Lead with Anchoring Sleeve
- Guide Wire Insertion Tool
- Guide Wire Steering Handle
- Guide Wire Clip
- 2 AccuRead 2.0 analyzer cable interface tools
- Stylets

STYLETS

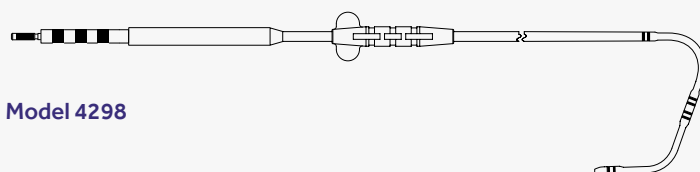
- Packaged
 - 2 gray straight
 - 2 purple straight

Model	4298
Fixation	Preformed Body
Shape / Chambers	Dual Canted/ LV
Polarity	Quadripolar
Insulation	Polyurethane
Guide Catheter Size (Inner Diameter) (Fr)	5.7

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



Model 4298

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ATTAIN PERFORMA™ STRAIGHT MRI SURESCAN™

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting on all electrodes
- Standard Lengths: 78, 88 (cm)

CONNECTOR

- IS4-LLLL

DIAMETER

- Body: 1.7 mm (5.3 Fr)

ELECTRODES

- Electrodes Surface Area
 - All: 5.8 mm²
- Distance between electrodes:
 - LV1-LV2: 21 mm
 - LV2-LV3: 1.3 mm
 - LV3-LV4: 21 mm

MATERIAL

- Insulator: Polyurethane-outer, SI-Polyimide-inner
- Conductor: SI-PI coated 25% Ag-core-MP35N
- Tip Electrode: Platinum/Iridium with Titanium Nitride coating
- Ring Electrode: Platinum/Iridium with Titanium Nitride coating
- Connector Pin: MP35N
- Connector Ring: MP35N

RECOMMENDED GUIDE WIRE

- Diameter: 0.014 to 0.018 in
- Attain Hybrid GWR419678, Orange knob, 98 cm – for 4398-78
- Attain Hybrid GWR419688, Orange knob, 108 cm – for 4398-88

ACCESSORIES PACKAGED WITH LEAD

- Lead with Anchoring Sleeve
- Guide Wire Insertion Tool
- Guide Wire Steering Handle
- Guide Wire Clip
- 2 AccuRead 2.0 analyzer cable interface tools
- Stylets

STYLETS

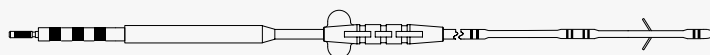
- Packaged
 - 2 gray straight
 - 2 purple straight

Model	4398
Fixation	Tines
Shape / Chambers	Straight/ LV
Polarity	Quadripolar
Insulation	Polyurethane
Guide Catheter Size (Inner Diameter) (Fr)	5.7

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



Model 4398

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ATTAIN PERFORMA™ S MRI

SURESCAN™

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting on all electrodes
- Standard Lengths: 78, 88 (cm)

CONNECTOR

- IS4-LLLL

DIAMETER

- Body: 1.7 mm (5.3 Fr)

ELECTRODES

- Electrodes Surface Area
 - All: 5.8 mm²
- Distance between electrodes:
 - LV1-LV2: 21 mm
 - LV2-LV3: 1.3 mm
 - LV3-LV4: 21 mm

MATERIAL

- Insulator: Polyurethane-outer, SI-Polyimide-inner
- Conductor: SI-PI coated 25% Ag-core-MP35N
- Tip Electrode: Platinum/Iridium with Titanium Nitride coating
- Ring Electrode: Platinum/Iridium with Titanium Nitride coating
- Connector Pin: MP35N
- Connector Ring: MP35N

RECOMMENDED GUIDE WIRE

- Diameter: 0.014 to 0.018 in
- Attain Hybrid GWR419678, Orange knob, 98 cm – for 4598-78
- Attain Hybrid GWR419688, Orange knob, 108 cm – for 4598-88

ACCESSORIES PACKAGED WITH LEAD

- Lead with Anchoring Sleeve
- Guide Wire Insertion Tool
- Guide Wire Steering Handle
- Guide Wire Clip
- 2 AccuRead 2.0 analyzer cable interface tools
- Stylets

STYLETS

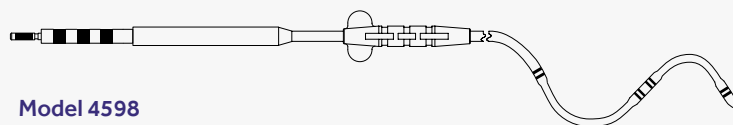
- Packaged
 - 2 gray straight
 - 2 purple straight

Model	4598
Fixation	Preformed Body
Shape / Chambers	S-Shape/ LV
Polarity	Quadripolar
Insulation	Polyurethane
Guide Catheter Size (Inner Diameter) (Fr)	5.7

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ATTAIN STABILITY™ QUAD MRI SURESCAN™

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Steroid eluting on all electrodes
- Standard Lengths: 78, 88 (cm)

CONNECTOR

- IS4 -LLLL

DIAMETER

- Body: 1.47 mm (4.4 Fr)
- Helix: 1.87 mm (5.6 Fr)

ELECTRODES

- Quadripolar electrode, 21 mm spacing
- Electrodes Surface Area
 - All: 5.8 mm²
 - Ring: 5.8 mm²
- Distance between electrodes:
 - LV1-LV2: 21 mm
 - LV2-LV3: 1.3 mm
 - LV3-LV4: 21 mm
 - LV3 – Helix tip: 10 mm

HELIX

- Fixed, side
- Not electrically active
- Length – ¾ turn exposed length
- Distance from Helix tip to lead body – 0.25 mm
- Helix location – 38.1 mm proximal to tip nose

MATERIAL

- Insulator: Polyurethane-outer, SI-Polyimide-inner
- Conductor: SI-PI coated 25% Ag-core-MP35N
- Tip Electrode: Platinum/Iridium with Titanium Nitride coating
- Ring Electrode: Platinum/Iridium with Titanium Nitride coating
- Helix: Platinum/Iridium alloy
- Connector Pin: MP35N
- Connector Ring: MP35N

RECOMMENDED GUIDE WIRE

- Diameter: 0.014 to 0.018 in
- Attain Hybrid GWR419578, Blue knob, 98 cm
- Attain Hybrid GWR419588, Blue knob, 108 cm

ACCESSORIES PACKAGED WITH LEAD

- Lead with Anchoring Sleeve
- Guide Wire Insertion Tool
- Guide Wire Steering Handle
- Guide Wire Clip
- Stylets

STYLETS

- Packaged
 - 2 gray straight
 - 2 purple straight
 - 2 blue J-shaped

Model	4798
Fixation	Preformed Body with Helix (active fixation)
Shape / Chambers	Canted/ LV
Polarity	Quadripolar
Insulation	Polyurethane
Guide Catheter Size (Inner Diameter) (Fr)	5.7

MRI SureScan

Full Body 1.5 and 3T MRI with any MRI SureScan cardiac device:

- No MRI scan exclusion zone and no scan duration restriction
- MRI scan possible for the entire life of the system
- No Patient size restriction and no condition restrictions (e.g. fever)



Model 4798

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ATTAIN COMMAND® SUREVALVE™

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Guide catheters for left-heart delivery
- Compatible transvenous devices:
- Leads 2.1 mm (6.2 Fr) max diameter
- Other devices 2.4 mm (7.1 Fr) max diameter
- Package **does not include** guidewire nor splitter
- To be ordered separately

CATHETER

- Material: Polyether block amide, polyamide 12
- Hydrophilic Coating distal 1/3 of the outer shaft

CATHETER DILATOR

- Material: Polyethylene
- Inner diameter: 0.96 mm (2.8 Fr)
- Outer diameter: 2.4 mm (7.1 Fr)

SUREVALVE INTEGRATED VALVE

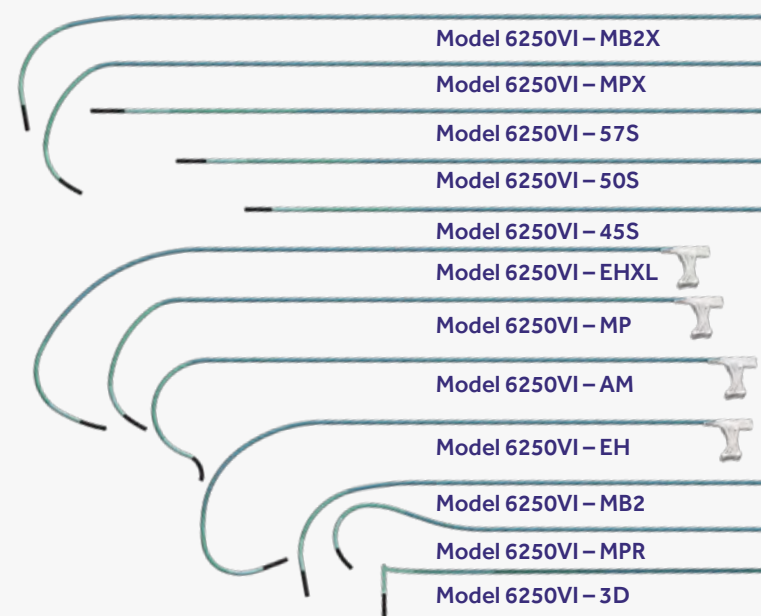
- Material: Polypropylene with SBC overmold

VALVE TOOL

- Material: Polypropylene with SBC overmold

Model	6250VI-45S	6250VI-50S	6250VI-57S	6250VI-AM	6250VI-MB2	6250VI-MB2X
Description	Straight	Straight	Straight	Amplatz	Multi-purpose bend 2	Multi-purpose bend 2 extra
Usable Length (cm)	45	50	57.5	50	45	50
Min. Inner Diameter (Fr)	2.4 (7.2)					
Max. Outer Diameter Proximal / Distal (mm (Fr))	3.0 (9.0) / 2.8 (8.5)					

Model	6250VI-MP	6250VI-MPX	6250VI-MPR	6250VI-EH	6250VI-EXHL	6250VI-3D
Description	Multi-purpose	Multi-purpose extra	Multi-purpose right	Extended hook	Extended hook extra large	3-D (for right-sided implant)
Usable Length (cm)	50	50	45	50	57.5	45
Min. Inner Diameter (mm (Fr))	2.4 (7.2)					
Max. Outer Diameter Proximal / Distal (mm (Fr))	3.0 (9.0) / 2.8 (8.5)					



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ATTAIN COMMAND® SUREVALVE™ KITS

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Left-Heart Delivery System with 2 Guide
- Compatible transvenous devices:
 - Leads 2.1 mm (6.2 Fr) max diameter
 - Other devices 2.4 mm (7.1 Fr) max diameter

CATHETER

- Material: Polyether block amide, polyamide 12
- Hydrophilic Coating distal 1/3 of the outer shaft

CATHETER DILATOR

- Material: Polyethylene
- Inner diameter: 0.96 mm (2.8 Fr)
- Outer diameter: 2.4 mm (7.1 Fr)

SUREVALVE INTEGRATED VALVE

- Material: Polypropylene with SBC overmold

VALVE TOOL

- Material: Polypropylene with SBC overmold

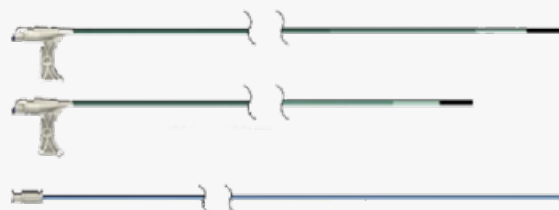
MEDTRONIC UNIVERSAL II 6230UNI SLITTER

- Material: Stainless steel, polycarbonate

GUIDEWIRE

- Material: Stainless steel
- Length: 120 cm
- Diameter: 0.9 cm (0.035 in)

Model	6250VIS	6250VIC
Description	Left-Heart Delivery System Straight Catheter Kit	Left-Heart Delivery System Curved Catheter Kit
Catheters included	6250VI-45S and 6250VI-50S	6250VI-EH 6250VI-MB2
Minimum Inner Diameter (mm (Fr))	2.4 (7.2)	
Max. Outer Diameter Proximal / Distal (mm (Fr))	3.0 (9.0) / 2.8 (8.5)	



Model 6250VIS



Model 6250VIC

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ATTAIN SELECT™ II SUREVALVE™

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Delivery Catheter System for Sub-Selection in a wide variety of patient anatomies
- 7 Fr sub-selection catheters capable of delivering 4 Fr and 5.3 Fr leads directly to vein branches
- Petite Length Attain Select II: 57 cm catheters for 78 cm lead delivery
- Compatible leads:
 - Body max outer diameter: 1.77 mm (5.3 Fr)
 - Electrode tip max outer diameter: 1.88 mm (5.6 Fr)
- Other transvenous compatible devices:
 - Delivery catheter max outer diameter: 1.85 mm (5.5 Fr)
 - Straight Blue Inner Catheter max outer diameter: 0.89 mm (2.7 Fr)
- Package does not include guidewire nor splitter
 - To be ordered separately

CATHETER

- Material: Polyether block amide, polyamide 12

STRAIGHT BLUE INNER CATHETER

- Provides a soft distal tip and increased curve shape control
- Material: Polyether block amide
- Usable length: 80 cm
- Inner diameter: 1.0 mm (3.0 Fr)
- Outer diameter: 1.85 mm (5.5 Fr)

SUREVALVE INTEGRATED VALVE

- Material: Polypropylene with SBC overmold

VALVE TOOL

- Material: Polypropylene with SBC overmold

Model	6248VI-90S	6248VI-90	6248VI-90L	6248VI-130
Description	90° short curved tip	90° curved tip	90° long curved tip	130° curved tip
Usable Length (cm)	65			
Compatible Outer Guide Catheter Max Length (cm)	57.5			
Compatible Lead Min Length (cm)	88			
Inner Diameter (mm (Fr))	1.9 (5.7)			
Outer Diameter (mm (Fr))	2.4 (7.2)			

Model	6248VI-130L	6248VI-90SP	6248VI-90P	6248VI-130P
Description	130° long curved tip	90° short curved tip	90° curved tip	130° curved tip
Usable Length (cm)	65	57 (Petite)	57 (Petite)	57 (Petite)
Compatible Outer Guide Catheter Max Length (cm)	57.5	50		
Compatible Lead Min Length (cm)	88	78		
Inner Diameter (mm (Fr))	1.9 (5.7)			
Outer Diameter (mm (Fr))	2.4 (7.2)			

Model 6248VI – 90SP

Model 6248VI – 90S

Model 6248VI – 130P

Model 6248VI – 130

Model 6248VI – 130L

Model 6248VI – 90P

Model 6248VI – 90

Model 6248VI – 90L

NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



ATTAIN[®]

DEFLECTABLE

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Deflectable Catheter System for left-heart delivery
- Compatible transvenous devices:
- Leads 2 mm (6 Fr) max diameter

DEFLECTABLE CATHETER

- Material: Polyether block amide

CATHETER DILATOR

- Material: Polyethylene
- Length: 60 cm
- Outer diameter: 2.3 mm (7.0 Fr)

GUIDE WIRE

- Material: Stainless Steel
- Length: 120 cm
- Outer diameter: 0.09 cm (0.035 in)

ADJUSTABLE HEMOSTASIS VALVE

- Inner Diameter: 15 Fr max

MEDTRONIC UNIVERSAL SLITTER 6230UNI

- Material: Stainless steel, polycarbonate

NEEDLE

- Dimensions: 18 gauge, 1.2 mm

SYRINGE

- Volume: 12 cc

Model	6227DEF04
Usable Length	Deflectable
Inner Diameter (cm)	45
Outer Diameter (mm (Fr))	2.4 (7.2)
Insulation (mm (Fr))	3.3 (9.9)



Model 6227DEF04

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ATTAIN[®]

VENOGRAM BALLOON

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Venogram balloon catheter for coronary sinus
- Package includes:
 - Venogram balloon catheter
 - 1.25 cc syringe

DIAMETER

- Catheter Body: 1.9 mm

BALLOON

- Max Inflation Capacity: 1.25 cc
- Inflated Balloon Diameter: 10 mm

MATERIAL

- Catheter Body: Polyurethane
- Balloon: Latex

RECOMMENDED GUIDE WIRE

- Diameter: 0.025 in (0.64 mm)

Model	6215
Description	Venogram Balloon Catheter
Usable Length (cm)	80
Guide Catheter Size (Inner Diameter) (Fr)	7.0



restrictions (e.g. fever)

Model 6215

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



MEDTRONIC SLITTERS

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Slitter for LV guide catheters
- Slit two catheters in the same procedure
- Single use; Disposable

DEFLECTABLE CATHETER

- Handle: Polycarbonate
- Blade: Stainless Steel
- Trigger in 6232ADJ: ABS

Model	6232ADJ	6230UNI
Description	Medtronic Adjustable Slitter	Medtronic Universal II Slitter
Lead Stabilization	Lead mechanically secured in lead channel	Lead secured with thumb pressure

Model 6232ADJ



Model 6230UNI



NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



ADJUSTABLE VALVE

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Adjustable Hemostasis Valve for use with LV delivery systems
- Rotating luer lock for variable positioning of side port
- Hemostatic to 103 kPa (15 PSI)

Model	6248VAL
Description	Medtronic Adjustable Valve
Max. Inner Diameter (Fr)	15



Model 6248VAL

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ATTAIN HYBRID[®]

GUIDE WIRE

LEFT-HEART LEADS AND DELIVERY SYSTEMS

GENERAL

- Guide wire with stylet features
- Straightens the cants of the Attain OTW leads
- Optimizes lead trackability

DIAMETER

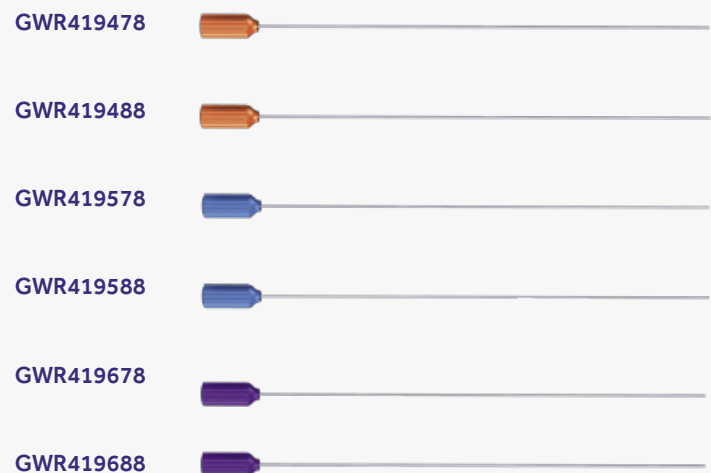
- Body: 0.014 in

MATERIAL

- Core wire: Stainless Steel
- Sleeve: PET
- Coating: Lubricious Pro/Pel[®] silicone

Model	GWR419478	GWR419488	GWR419578
Knob Color	Orange	Orange	Blue
Support			
Length (cm)	98	108	98
Recommended Lead Models	4298, 4398	4298, 4398	4195, 4598
Lead Length (cm)	78	88	78

Model	GWR419588	GWR419678	GWR419688
Knob Color	Blue	Purple	Purple
Support			
Length (cm)	108	98	108
Recommended Lead Models	4195, 4598	4196, 4296, 4396	4196, 4296, 4396
Lead Length (cm)	88	78	88



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ACCESSORIES



MEDTRONIC STYLETS

ACCESSORIES

GENERAL

- Stylets for use with transvenous leads
- Package includes:
 - 2 straight stylets (sterile)
 - 2 stylet guides (sterile)

MATERIAL

- Wire: Stainless Steel
- Knob: Plastic

Model	6057	6082	6054	6093
Knob Color	Blue	Gray	Rust	Purple
Shape				
Diameter (in)	0.014	0.014	0.016	0.016
Distal End	Ball-tipped	Extended taper, Ball-tipped	Tapered, Ball-tipped	Extended-taper, Ball-tipped
# in kit	2	2	2	2
Lengths (cm)	45, 52, 58, 65, 75, 110	45, 52, 55, 58, 62, 65, 72, 75, 97, 110	45, 52, 53, 58, 65, 75, 85, 110	52, 58, 65, 75, 85, 100

Model	6282*	6052	6091	6094
Knob Color	Gray	White	Gray	Blue
Shape				
Diameter (in)	0.014	0.014	0.014	0.014
Distal End	Extended taper, Ball-tipped	Blunt	Extended taper, Ball-tipped	
# in kit	15	2	2	2
Lengths (cm)	75, 85	45, 53, 58	45, 53, 58, 65	45, 52, 58

* Hemostasis valve compatible (downsized knobs)

NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



PEELABLE INTRODUCERS

ACCESSORIES

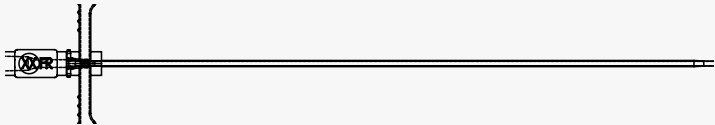
GENERAL

- Peelable Percutaneous Lead Introducers (PLI) for use with transvenous leads

PACKAGE INCLUDES:

- 1 introducer sheath with tapered vessel dilator
- 1 thin-wall needle (18 gauge)
- 1 disposable syringe
- 1 flexible J guide wire with tip straightener:
 - Diameter: 1 mm (0.035 in)
 - Length: 60 cm (23.6 in)

Model	6207-S1	6208-S1	6209-S1	6210-S1	6211-S1	6212-S1	6214-S1
Size (Fr)	7	8	9	10.5	11	12	14
# of kits	1						



Model 62xx-S1

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SAFESHEATH CSG®

WORLEY BRAIDED CORE INTRODUCERS

ACCESSORIES

GENERAL

- SafeSheath CSG® Worley Braided Core Introducer System for Coronary Sinus Access

PACKAGE INCLUDES:

- 1 tear-away sheath w/side port
- 1 dilator
- 1 needle (18 gauge)
- 1 syringe (12 cc)
- 1 guidewire (135 cm)
- 1 curved guiding core
- 1 transvalvular insertion tool (TVI) (7 Fr)

Model	CSGWORB C19M	CSGWORL BC19M	CSGWORB C29M
Size (Fr)		9	
# of kits		5	
Lenght (cm)	40	50	50



Model CSGWORLBC19M

Model CSGWORBC19M

Model CSGWORBC29M

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SAFESHEATH CSG®

EXTRUDED CORE INTRODUCERS

ACCESSORIES

GENERAL

- SafeSheath CSG® Worley Braided Core Introducer System for Coronary Sinus Access

PACKAGE INCLUDES:

- 1 tear-away sheath w/side port
- 1 dilator
- 1 needle (18 gauge)
- 1 guidewire (135 cm)
- 1 curved guiding core
- 1 transvalvular insertion tool (TVI) (7 Fr)

Model	CSGWORLEY109M	CSGWORL19M
Size (Fr)	9	
# of kits	5	
Length (cm)	40	50



Model CSGWORLEY109M



Model CSGWORL19M

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SAFESHEATH II®

LEAD INTRODUCERS

ACCESSORIES

GENERAL

- SafeSheath II® Hemostatic Peel-away Introducer System for Vascular Access with
- low insertion/withdrawal force lubricated valve
- ergonomically-designed, easy-splitting hub
- extruded score line sheath
- infusion side port
- snap-fit dilator

PACKAGE INCLUDES:

- 1 tear-away sheath w/side port
- 1 dilator
- 1 needle (18 gauge)
- 1 syringe (12 cc)
- 1 guidewire (Standard-50cm / Long-60cm)

Model	SS5	SS6	SS7	SS8	SS85
Knob Color	5	6	7	8	8.5

# in kit	5				
----------	---	--	--	--	--

Lengths (cm)	13				
--------------	----	--	--	--	--

Model	SS9	SS95	SS10	SS105	SS11
Knob Color	9	9.5	10	10.5	11

# in kit	5				
----------	---	--	--	--	--

Lengths (cm)	13				
--------------	----	--	--	--	--

Model	SS12	SS125	SSL6	SSL7	SSL8
Knob Color	12	12.5	6	7	8

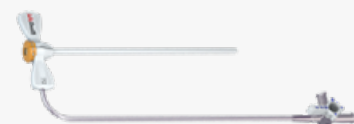
# in kit	5				
----------	---	--	--	--	--

Lengths (cm)	13	13	23	23	23
--------------	----	----	----	----	----

Model	SSL9	SSL10	SSL105	SSL11
Knob Color	9	10	10.5	11

# in kit	5			
----------	---	--	--	--

Lengths (cm)	23			
--------------	----	--	--	--



Model SSx



Model SSLx

NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



FLOWGUARD®

VALVED PEELABLE INTRODUCERS

ACCESSORIES

GENERAL

- FlowGuard® Valved Peelable Introducers for use with transvenous leads
- Sliding valve feature for procedural flexibility
- Low-profile handle and interlock system to prevent dilator pop-out during insertion

Model	10729-001	10729-002	10729-003	10729-004
Size (Fr)	7.0	8.0	9.0	10.5
# of kits	1			
Sheath Length (cm)	13	15	15	15
Dilator Length (cm)	18	21.5	21.5	21.5

Model	10730-001	10730-002	10730-003	10730-004
Size (Fr)	7.0	8.0	9.0	10.5
# of kits	5			
Sheath Length (cm)	13	15	15	15
Dilator Length (cm)	18	21.5	21.5	21.5



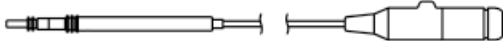
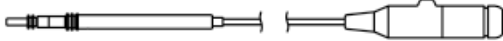
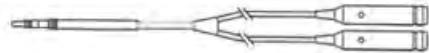
Model 10729-00x
Model 10730-00x

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



PACING LEAD ADAPTORS

ACCESSORIES

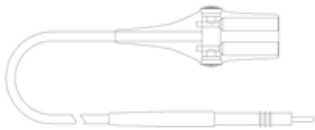
Model	Description	
BLV-BIS-10	LV-1 Bipolar Lead to IS-1 Bipolar IPG - 10cm	
BLV-BIS-40	LV-1 Bipolar Lead to IS-1 Bipolar IPG - 40cm	
B-IS-15SS2	5mm Bifurcated Bipolar Lead or two 5mm Unipolar Leads to IS-1 Bipolar IPG	
BIS-IS-15	Two IS-1 UNI Leads to IS-1 BI IPG	
BIS-BIS-17	3.2mm Low Profile Bipolar Lead to IS-1 BI IPG - Permanent Extension	
BIS-BIS-40	IS-1 BI Lead to IS-1 BI IPG - Permanent Lead Extension	

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ICD LEAD ADAPTORS

ACCESSORIES

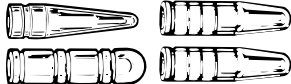
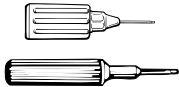
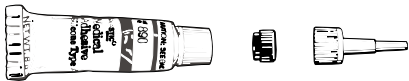
Model	Description	
6726	DF-1 Y Adaptor/Extender – 25cm or 37cm	
6707	6,5 mm to DF-1 - Adaptor Kit – 15cm	
6920	Upsizing Sleeve for HV Leads 3,2mm LP or DF-1 to 6,5mm 3 Units per Kit	
5019	DF-4 Adapter - Removes SVC coil from shock path and allows use of additional defibrillation DF-1 lead/ patch	

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



ADDITIONAL ACCESSORIES

ACCESSORIES

Model	Description	
5867-3M	Lead End Cap Kit	
6056	Pinch-on Tool 6056 for Medtronic Screw-in Leads	
6056M	Individual package for AccuRead 2.0 tool	
5873C	Lead Service Installation Kit	
5873W	Lead wrench kit	
80118	Medical adhesive	
6717	6.5mm Unipolar Connector Port Pin Plug, 1 per kit	
6719	DF-1 unipolar connector Port Pin Plug, 1 per kit	
6725	IS-1 connector port pin plug, 1 per kit - may be used as a part of the MRI CRT-D SureScan systems in place of a right atrial lead	
6177	Sterile Programming Head Cover - 10 per kit	
9466	Patient Magnet - 4 per kit	

NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



INSERTABLE CARDIAC MONITORS (ICM)



LINQ II™

INSERTABLE CARDIAC MONITORS (ICM)

GENERAL

- Insertable Cardiac Monitor (ICM) with 4.5 years longevity*
- TruRhythm™ Detection
- Pause Detection Algorithm
- PVC Detection Algorithm
- Automatically Detected Episodes: up to 27 min
- Patient-Activated Symptom: up to 30 min
- Symptom/Auto Correlated Episodes: up to 4 min
- CareLink connectivity
- Smart Memory Management
- Bluetooth® Wireless Telemetry (BlueSync™ Technology): two-way communication
- Remote programming capability

ARRHYTHMIA DETECTION

- Pause/Asystole
- Bradycardia
- Tachycardia (VT/FVT)
- Atrial Tachycardia (AT) / Atrial Fibrillation (AF) with enhanced detection

DIAGNOSTICS

- Quick Look
- Cardiac Compass:
 - Programming and interrogation events
 - Patient symptoms
 - AT/AF total time per day
 - Ventricular rate during AT/AF
 - Average ventricular rate
 - Patient activity
 - Heart rate variability
 - Ventricular rate during AT/AF histogram (time in or out of AT/AF)
 - PVC

COMPATIBLE DEVICES

- In-clinic Programmer
 - Reveal LINQ™ Mobile Manager
- Patient Monitor
 - MyCareLink Heart™ Mobile App, or MyCareLink Relay™ Home Communicator
- Symptom Marker
 - MyCareLink Heart™ Mobile App, or Patient Assistant PA97000 (for MyCareLink Relay™ Home Communicator)

PACKAGE CONTENT

- LINQ II™ Insertable Cardiac Monitor (preloaded in the included insertion tool handle)
- Incision tool
- Insertion tool plunger
- Insertion tool handle
- Product documentation

* Nominal settings

Model	LNQ22
M (g)	3.4
V (cc)	1.4
Size (mm)	45.1 x 8.0 x 4.2

MRI Compatibility

- MR-Conditional at 3.0 and 1.5 Tesla
- No-post insertion waiting period



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



REVEAL LINQ™

INSERTABLE CARDIAC MONITORS (ICM)

GENERAL

- Insertable Cardiac Monitor (ICM) with 3 years life*
- TruRhythm™ Detection
- Auto-activated events: 29 min of ECG
- Patient-activated events: 30 min of ECG
 - Up to 14 min of ECG prior to activation
- CareLink connectivity

ARRHYTHMIA DETECTION

- Pause/Asystole
- Bradycardia
- Tachycardia (VT/FVT)
- Atrial Tachycardia (AT) / Atrial Fibrillation (AF) with enhanced detection

DIAGNOSTICS

- Quick Look
- Cardiac Compass Trends:
 - AT/AF burden
 - Ventricular rate during AT/AF
 - Day and night average ventricular rate
 - Daily activity
 - Heart rate variability
- AT/AF summary
- Rate histograms
- Episode list
- Episode counters

PATIENT ASSISTANT – MODEL PA96000

- 10cmx4cmx1cm
- Record button - captures patient-activated episodes
- Non-replaceable battery chosen for size, cost, and energy capacity
- Designed to operate at least 200 operations over 3 years plus shelf life and leakage

PACKAGE CONTENT

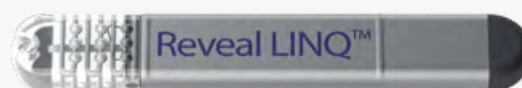
- Reveal LINQ™ ICM (preloaded in the included insertion tool)
- Incision tool
- Insertion tools
- Reveal PA96000

* Nominal settings

Model	LNQ11
M (g)	2.5 ± 0.5
V (cc)	1.2
Size (mm)	44.8 x 7.2 x 4.0

MRI Compatibility

- MR-Conditional at 3.0 and 1.5 Tesla
- No-post insertion waiting period



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



REVEAL[®] XT

INSERTABLE CARDIAC MONITORS (ICM)

GENERAL

- Insertable Cardiac Monitor (ICM) with 3 years life*
- Auto-activated events: 27 min of ECG
- Patient-activated events: 22.5 min of ECG
 - Up to 14 min of ECG prior to activation
- Up to 30 events in total
- CareLink connectivity
- Reveal Vector Check for optimal positioning

ARRHYTHMIA DETECTION

- Asystole
- Bradycardia
- Ventricular Tachycardia (VT) / Fast Ventricular Tachycardia (FVT)
- Atrial Tachycardia (AT) / Atrial Fibrillation (AF)

DIAGNOSTICS

- Quick Look
- Cardiac Compass Trends:
 - AT/AF total time per day
 - Ventricular rate during AT/AF
 - Day and night average ventricular rate
 - Patient activity
 - Heart rate variability
- AT/AF summary
- Rate histograms
- Episode list
- Episode counters

PATIENT ASSISTANT – MODEL PA96000

- 10cmx4cmx1cm
- Record button - captures patient-activated episodes
- Non-replaceable battery chosen for size, cost, and energy capacity
- Designed to operate at least 200 operations over 3 years plus shelf life and leakage

PACKAGE CONTENT

- Reveal XT ICM
- Conductive patches for Vector Check
- Reveal PA96000

* Nominal settings

Model	9529
M (g)	15
V (cc)	9
Size (mm)	62 x 19 x 8

MRI SureScan

- MR-Conditional at 3.0 and 1.5 Tesla
- 6-week post-insertion waiting period



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



CARELINK™ NETWORK

PATIENT MANAGEMENT SOLUTIONS

GENERAL

The CareLink™ Network is a remote monitoring service for patients with Medtronic implanted cardiac devices. The service allows patients to send full device data to their clinic from home or away. The monitoring solution collects patients' device data and sends it to a secure sever.

Healthcare providers can analyze the patient device diagnostic data via the CareLink™ Network Clinician Website through their internet browser. The site is also used to enroll clinic users, enroll patients, and perform other administrative duties.

- Compatible with 99.9% Medtronic implantable devices.
- Operates on the Microsoft™ Windows™ operating system with database support based on Microsoft's SQL (Structured Query Language) Server software
- Administration for hospital CareLink network service set-up
- Access to secure server space for data hosting of active patient data using CareLink
- Unlimited healthcare professional users per hospital
- Access to Vodafone worldwide data network and their roaming partners
- Patient transmissions:
 - Scheduled
 - Customizable color-coded CareAlerts
 - Patient-initiated transmissions
- Technical support
- CareLink clinician website upgrades
- CareLink monitor software upgrades
- Training of healthcare professionals and patient groups
- Online access for healthcare professionals to the Medtronic Academy for training on website
- CareLink Mobile Application for clinicians
- Updates

SECURITY MEASURES

- ISO 27001 and SOC II-certified
- Hosted in Europe at SAS70
- Certified site
- Managed by Medtronic personnel

DIEN CODE	SSA4-CLNETSERVICE (varies per country)
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NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



MYCARELINK HEART™ MOBILE APP

PATIENT MANAGEMENT SOLUTIONS

GENERAL

- Patient app for remote monitoring of Medtronic BlueSync™ enabled cardiac implantable devices in the Medtronic CareLink™ Network
- Replaces the traditional bedside monitor to securely transfer heart device data using patient smartphone or tablet
- Best option for patients owning compatible iOS and Android smart device¹ and comfortable with using apps or smart technology

MAIN FEATURES

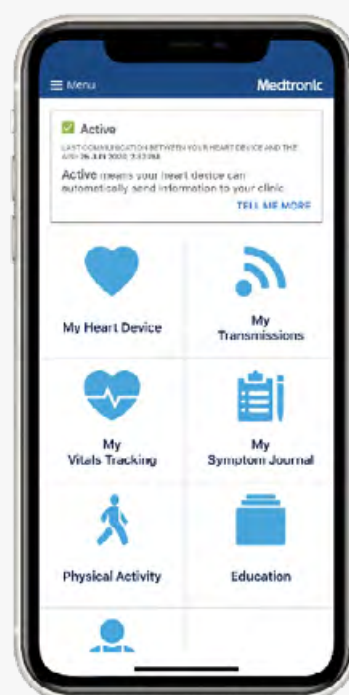
- Cellular or Wi-Fi connectivity through patient's smart device
- Bluetooth® Low Energy is designed to minimize battery drain of the implantable device
- Enhanced security with data encryption from end to end
- Automatic notifications help patients stay connected
- Upgradable throughout lifetime of the device
- Allows patients to view select device data such as battery life and access in-app education content

¹ Please visit www.MCLHeart.com for a list of compatible smartphones and tablets

Model Patient app	27000
Model Application for IOS	MSW003
Application for Android	MSW004



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



MYCARELINK RELAY™ HOME COMMUNICATOR

PATIENT MANAGEMENT SOLUTIONS

GENERAL

- Patient bedside communicator for remote monitoring of Medtronic BlueSync™ enabled cardiac implantable devices in the Medtronic CareLink™ Network
- Best option for patients that rarely carry a mobile device or not comfortable with using apps or smart technology

MAIN FEATURES

- Integrated cellular 4G LTE connectivity with international coverage and Wi-Fi connectivity
- Bluetooth® Low Energy is designed to minimize battery drain of the implantable device
- Enhanced security with data encryption from end to end
- Optimized Bluetooth® & cellular antenna design
- Requires little to no user interaction

POWER SUPPLY

- AC powered, 100-240 V, 50-60 Hz, 0.5 A Max

PHYSICAL CHARACTERISTICS

- Ambient light sensor automatically turns off lights in the dark
- Light Ring to show activity
- Progress bar to display transmission status
- Button to checks status or send patient-initiated transmissions

Model	24960
M (g)	N/A
Size (mm)	N/A



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



MYCARELINK SMART™ MONITOR

PATIENT MANAGEMENT SOLUTIONS

GENERAL

- Patient monitor for remote monitoring of Medtronic cardiac implantable devices in the Medtronic CareLink™ Network
- Designed to be paired with one single implantable device
- Designed to be paired with IPGs, CRT-Ps and Micra TPS devices

CONNECTIVITY AND TRANSMISSIONS

- Transmission data sent via MCL Smart App installed on patient's / caregiver's smart device
- Bluetooth connection between the reader and the smart device
- Inductive telemetry between the implanted device and the reader
- Designed for manual transmissions
- Intended to support non-wireless implantable devices

POWER SUPPLY

- Battery powered
 - 3x AA alkaline batteries

PHYSICAL CHARACTERISTICS

- Reader with 3 indicator LED lights
- App installed on a smart device

Model	25000
M (g)	164 (without batteries)
Size (mm)	155 x 80 x 30



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



MYCARELINK™ MONITOR

PATIENT MANAGEMENT SOLUTIONS

GENERAL

- Patient monitor for remote monitoring of Medtronic cardiac implantable devices in the Medtronic CareLink™ Network
- Designed to be paired with one single implantable device

CONNECTIVITY AND TRANSMISSIONS

- Cellular technology, with international coverage
- Supports wireless data transmissions (when paired to wireless implantable device)
- Can send the wireless transmission when in range of up to 3 m from the implanted device
- Designed for automatic as well as manual transmissions

POWER SUPPLY

- AC powered, 100-240V, 50-60Hz

PHYSICAL CHARACTERISTICS

- Reader with 3 indicator LED lights
- Docking station with animated LCD display

Model	24952
M (g)	N/A
Size (mm)	207 x 153 x 66



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



SMARTSYNC™ DEVICE MANAGER

PATIENT MANAGEMENT SOLUTIONS

GENERAL

- Tablet-Based programmer for interrogating and programming compatible Medtronic cardiac implantable devices*
- Includes the Pacing System Analyzer (PSA)
- Intended to support implants and follow-ups
- Enables wireless, streamlined and secure digital workflow

MAIN FEATURES

- Free iOS Application, is compatible with certain models of the Apple iPad Pro and iPad Air**
- Pacing System Analyzer integrated in the Base Station
- Telemetry B (inductive), BlueSync™ Technology (wireless)
- E-strip recorder, with annotating options
- Report Exporting options: save to network folder, USB***
- Possibility to connect to external printer via WiFi

POWER SUPPLY

- Patient Connector: AC powered with 3 hours of battery back-up
- Base Unit: AC powered
- PSA: powered separately from the base, using 2 AA batteries

COMPONENTS AND ACCESSORIES

- 24970A Base unit
- 24967 Patient Connector
- 249705 Power cord
- 2090 EC/ECL ECG cable with plug and leadwires
- 2292 surgical cables
- 249704 Carry case

SYSTEM COMPONENTS

- SmartSync iOS application
- Base unit:
 - Including the Pacing System Analyzer
 - Communicating via Bluetooth® with tablet
- Patient connector:
 - Communicating via Tel B with Astra™ Pacemakers; via Bluetooth Low energy with BlueSync™ enabled devices
 - Communicating via Bluetooth® with tablet
- Tablet
 - Apple iPad Pro and iPad Air**
 - Hospital owned or Medtronic Managed Tablet (MMT)

* More information on compatible devices can be found in the CareLink SmartSync Device Manager materials

** More information on compatible iPad models can be found in the CareLink SmartSync Device Manager materials

*** Depending on Country and tablet option

Model Base unit	24970A
Weight (kg)	0.91
Size (cm)	4.6 x 24 x 20.8
Model Patient connector	24967
Weight (kg)	0.25
Size (cm)	16.7 x 7.3 x 3.0



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



REVEAL LINQ™ MOBILE MANAGER

PATIENT MANAGEMENT SOLUTIONS

GENERAL

- The Reveal LINQ™ Mobile Manager is an innovative, app-based device management system for Reveal LINQ™ and LINQ II™ insertable cardiac monitor (ICM).
It enables procedure simplicity and programmer portability for device activation, programming, CareLink™ Network pre-enrollment and follow-up checks - all from the same tablet.
- Generate reports quickly and simply
- Simplify staff training with guided animations
- Easily access patient education modules directly from the app*
- Streamline workflows for initial device activation or follow-up
- Access a built-in Help Menu to answer device activation and follow-up device check questions
- Setting up patients up to 7 days prior to implant
- Automatically pre-enroll your patients in the Medtronic CareLink™ Network
- Access data on the CareLink™ Network within minutes after device activation or follow-up device checks, while connectivity with the CareLink™ Network is established

MAIN FEATURES

- The LMM application is a free iOS application
- www.LINQMobileManager.com - follow the links to download the app

POWER SUPPLY

- Patient connector: AC powered with 3 hours of battery back-up

SYSTEM COMPONENTS

- LMM iOS application
- Patient connector:
 - Communicating via Tel B with Reveal LINQ™
 - Communicating via Bluetooth® with LINQ II™ and tablet
- Reveal LINQ™ and LINQ II™ ICMs
- Tablet – hospital-owned or Medtronic Managed Tablet (MMT)

* May vary based on geography

Model	24967
Patient connector	



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



CARELINK EXPRESS™ MOBILE SYSTEM

PATIENT MANAGEMENT SOLUTIONS

GENERAL

- The CareLink Express™ Mobile System allows the interrogation of any compatible Medtronic cardiac Implantable device, with secure and rapid transfer of the data to the CareLink™ Network for remote interpretation.
- The CareLink Express™ System provides secure access and transfer of data, seamlessly integrating into a follow-up clinic's CareLink system.

MAIN FEATURES

- Compatible with 99% of Medtronic cardiac devices supported on the CareLink™ Network¹
- The CareLink Express™ Mobile application is a free iOS application

POWER SUPPLY

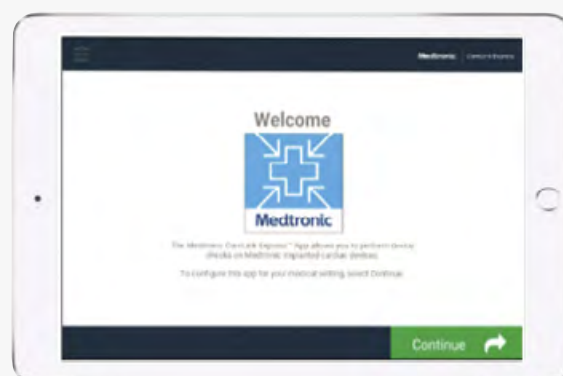
- Patient connector: AC powered with 3 hours of battery back-up

SYSTEM COMPONENTS

- CareLink Express™ Mobile iOS application
- Patient connector (Tel A/B):
 - Communicating via Tel B with all devices
 - Communicating via Bluetooth with tablet
- Tablet – hospital-owned or Medtronic-supplied tablet
- CareLink Express™ Website
- Carrying Case for patient connector and the tablet (ordered separately)

¹ Supported devices on CareLink™ Network - Data on File (Jan 2014)

Model	24967
Patient connector	
Model	31302
Application for iOS	
Carrying Case	249653



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



CARELINK ENCORE™ PROGRAMMER

PATIENT MANAGEMENT SOLUTIONS

GENERAL

- System for interrogating and programming Medtronic and Vitatron cardiac implantable devices
- Intended to support follow-ups

MAIN FEATURES

- Built in WiFi and ethernet
- keyboard
- Resistive touch screen
- PDF viewer
- Electronic strip recorder
- USB printing (no integrated printer available)
- Telemetry A and B (no wireless)
- Emergency button for VVI pacing

POWER SUPPLY

- AC powered with 2 hours of battery back-up

ACCESSORIES (IN THE PACKAGE)

- 26901 Programming head
- 26902 Rechargeable battery
- 26905 Stylus
- 26906 Power cord
- 26907 Power supply

Model	29901
M (g)	4.94
Size (mm)	35.5 x 35.5 x 10.2



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



CARELINK® 2090 PROGRAMMER

PATIENT MANAGEMENT SOLUTIONS

GENERAL

- System for interrogating and programming Medtronic, Vitatron and NayaMed cardiac implantable devices
- Intended to support implants and follow-ups

MAIN FEATURES

- Ethernet card
- Mechanical keyboard
- Display screen
- Integrated printer - possibility to connect to external printer via parallel port or USB
- Telemetry A, B (inductive) and C (wireless)
- Emergency button for VVI pacing

POWER SUPPLY

- AC powered

ACCESSORIES

- 2290 Medtronic Analyzer
- 2067/L Programmer head
- 2090TPS/XS Touch pen
- 2090EC/ECL ECG cable with plug and leadwires
- 6092 Printer paper

PACKAGE CONTENTS

- 2090 CareLink Programmer
- 2090TPS/XS Touch pen
- 2090EC/ECL ECG cable with plug and leadwires
- 6092 Printer paper

Model	2090
M (kg)	11.3
Size (mm)	12.7 x 40.6 x 55.8



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



CARELINK® 2290 ANALYZER

PATIENT MANAGEMENT SOLUTIONS

GENERAL

- Accessory that installs into the Medtronic CareLink® 2090 Programmer
- Designed to analyze the electrical performance of a cardiac lead system
- Uses the programmer as a control and display platform

MAIN FEATURES

- Automatic measurement of P- and R-wave amplitudes and slew rates
- Automatic lead impedance measurement
- Real-time display of atrial and ventricular EGM
- Rapid atrial stimulation to 800 min⁻¹ (ppm)
- Advanced analysis features, including antegrade and retrograde conduction tests, and a pulse width versus amplitude threshold analysis
- Measurement reports
- Backup battery in the event of a power loss
- Electrical isolation from the programmer
- Emergency VVI pacing

PACKAGE CONTENTS

- 2290 Analyzer
- 2292 Analyzer surgical cable
- 9 V Battery
- Screwdriver
- Product literature

Model	2290
M (kg)	N/A
Size (mm)*	N/A

* installs into the Medtronic CareLink® 2090 Programmer



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



FOCUSON™

MONITORING AND TRIAGING SERVICE

PATIENT MANAGEMENT SOLUTIONS

GENERAL

- FocusOn™ is a service that monitors and triages CareLink™ transmissions from all Medtronic implantable cardiac devices.
- All incoming data is reviewed and classified based on its clinical relevance (colour-code classification), according to a customized protocol instructed by the treating physicians.
- The FocusOn™ Team notifies the hospital clinical teams via email and/or phone /SMS and according to the customized colour-coding classification.
- All FocusOn™ triaged data and transmissions are accessible via the FocusOn™ platform.
- Available for:
 - IPG, CRT-P
 - ICD, CRT-D
 - ICM

QUALITY PROCESS

- All the data is reviewed by two different certified ECG/ cardiac device specialists to maximize accuracy and quality control through redundancy.
- The ECG specialists are supervised by cardiologists.

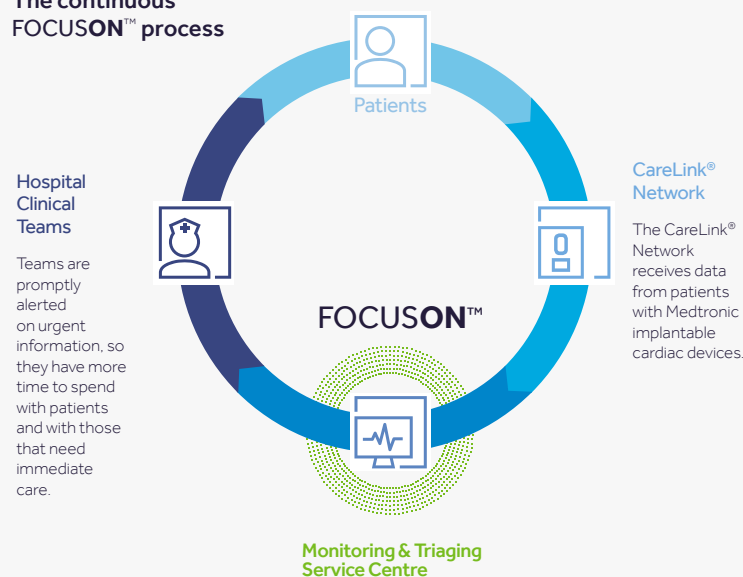
Service Time

Days	Mon-Fri (no bank holidays)
Hours	7am – 6pm CET

Service Level Agreement and escalation methods

Days	Phone/SMS and e-mail	Same working day
Days	E-mail	Next working day
Hours	Weekly e-mail	Once a week

The continuous FOCUSON™ process



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



BECONNECTED SERVICE

PATIENT MANAGEMENT SOLUTIONS

GENERAL

BECONNECTED is a patient support service designed to free up clinic time by directing patients to the experienced BeConnected team:

- Helping patients onboard with their optimal monitoring solution:
 - Education on remote monitoring
 - Screening for optimal monitoring solution with the ability to ship bedside monitor to patient home address
 - Set-up of patient monitoring solution.
- Helping patients with general device & remote monitoring questions.

SCOPE

- Service offered in local language

CONTACT NUMBER

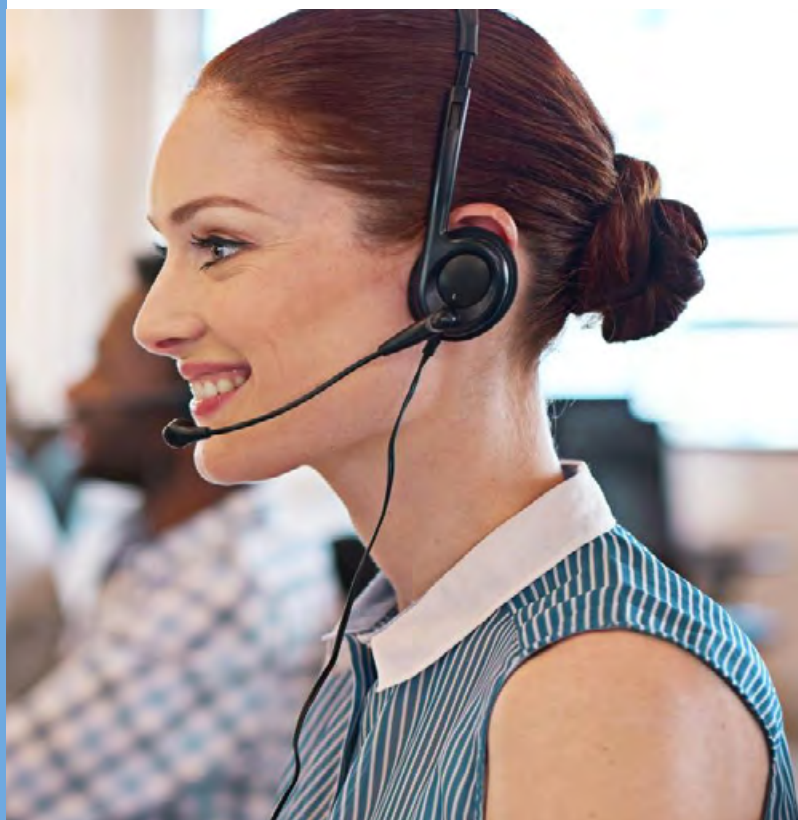
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Belgium	00800-26663282
Finland	990800-26663282
Ireland	00800-26663282
Netherlands	00800-26663282
Portugal	00800-26663282
Spain	00800-26663282
Sweden	00800-26663282
Switzerland	00800-26663282
United Kingdom	00800-26663282

Service hours*

Monday- Friday 8am – 4pm
Ability to leave voicemail outside
of office hours

*Service hours may vary

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



PROCEDURE INNOVATIONS



TYRX™

ABSORBABLE ANTIBACTERIAL ENVELOPE

PROCEDURE INNOVATIONS

GENERAL

The TYRX Envelope is a fully absorbable sterile device designed to hold a Cardiac Implantable Electronic Device (CIED) securely in place to create a stable environment when implanted in the body. The envelope's bioabsorbable polymer coating contains antibacterial agents Minocycline and Rifampin.

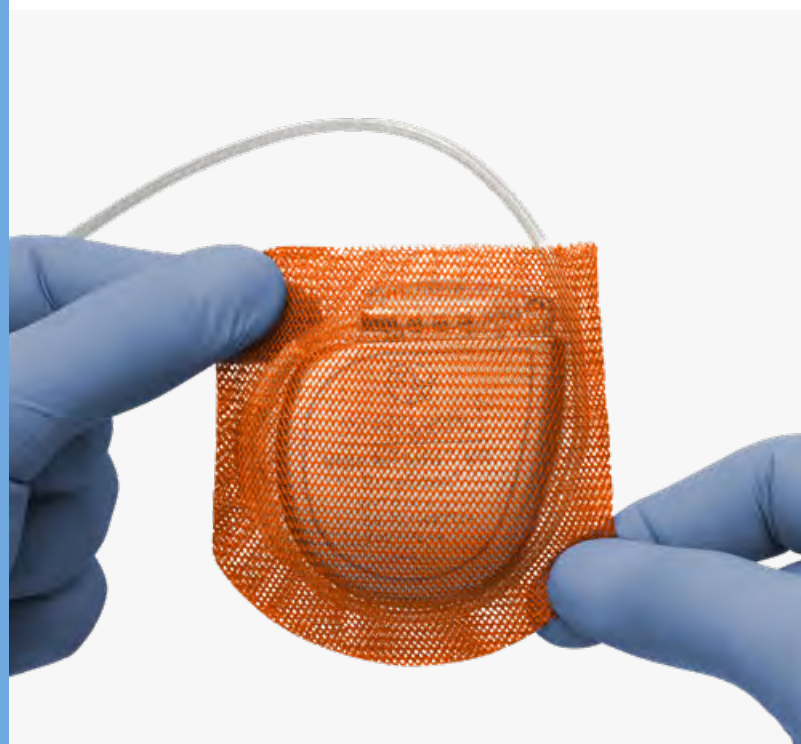
- Fully absorbs into the body in ~9 weeks
- Large pore mesh:
 - Knitted from absorbable filaments (glycolide, caprolactone and trimethylene carbonate)
 - Filaments coated with a bioabsorbable polymer containing antibacterial agents
- Single Use Only
- Storage: between 2 - 25° C

ANTIBIOTICS

- Minocycline and Rifampin have been shown to reduce infection in an in vivo model of bacterial challenge following surgical implantation of the generator or defibrillator.¹
- Locally delivered Minocycline and Rifampin sustained for 7 days
- Minocycline has been shown to be effective against:
 - Gram-positive bacteria such as *S aureus*
 - Gram-negative bacteria such as *E coli*, *E aerogenes*, *H influenzae* and *A baumannii*
- Rifampicin has been shown to be effective against:
 - Gram-positive bacteria such as *S aureus* (including MRSA) and *S epidermidis*
 - Gram-negative bacteria such as *H influenzae*

¹ Huntingdon Life Sciences Studies TR-2011-043, TR-2011-044, TR-2011-045, TR-2011-047, TR-2011-056.

Model	CMRM6122INT	CMRM6133INT
Description	TYRX Absorbable Antibacterial Envelope (Medium)	TYRX Absorbable Antibacterial Envelope (Large)
Size (cm)	6.3 x 6.9	7.4 x 8.5
Minocycline dose (mg)	5.1	7.6
Rifampin dose (mg)	8.0	11.9



NOTE: This is not intended to be a full product description. For full description, refer to the Device Specification Sheet and/or Manual.



EXTERNAL PACEMAKER

SINGLE CHAMBER

PROCEDURE INNOVATIONS

GENERAL

- Battery Powered External Temporary Pacemaker
- Pacing Continuation upon Battery Removal
- Compatible with Medtronic cables 5832, 5833, 5487, 5433A/V and 5846A/V
- NO direct connection of heart wires

PACING FEATURES

- Pacing Modes: AAI, AOO, VVI, VOO
- Basic Pacing Rate: 30 – 200 ppm
- Rapid Atrial Pacing Rate: 80 – 800 ppm

ADDITIONAL PROGRAMMABLE PARAMETERS

- Output Amplitude
- Pulse Width
- Sensitivity
- Ventricular Blanking

PACKAGE CONTENT

- Single Chamber External Temporary Pacemaker Model 53401
- Two AA 1.5 V alkaline batteries
- Carrying case Model 53409

ACCESSORIES (NOT INCLUDED)

- 5409 Disposable Pouch: 5 units in package
- 53408 Replacement Covers (Main Covers and Rapid Atrial Pacing Cover)
- 53409 Carrying Case
- 53407 IV Pole Replacement Hook and Replacement Knobs

Model	53401
M (g)	499
Dimension (cm)	20.2 x 6.6 x 4.1
Battery	Two IEC type LR6-sized (AA-sized) 1.5 V alkaline batteries (Duracell MN1500, Eveready E91 or equivalent)



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



EXTERNAL PACEMAKER

DUAL CHAMBER

PROCEDURE INNOVATIONS

GENERAL

- Battery Powered External Temporary Pacemaker
- Pacing Continuation upon Battery Removal
- Compatible with Medtronic cables 5832, 5833, 5487, 5433A/V and 5846A/V
- NO direct connection of heart wires

PACING FEATURES

- Pacing Modes: DDD, DOO, DDI, AAI, AOO, VVI, VOO
- Basic Pacing Rate: 30 – 200 ppm
- Upper Rate: 80 – 230 ppm
- Rapid Atrial Pacing Rate: 80 – 800 ppm

ADDITIONAL PROGRAMMABLE PARAMETERS

- Output Amplitude
- Pulse Width
- Sensitivity
- AV Interval
- PVARP
- Ventricular Blanking

PACKAGE CONTENT

- Dual Chamber External Temporary Pacemaker Model 5392
- Two AA 1.5 V alkaline batteries

ACCESSORIES (NOT INCLUDED)

- 5409 Disposable Pouch: 5 units in package
- 53922 Disposable Cover: 3 units in package
- 53923 Carrying Case
- 53921GLBL IV Pole Replacement

Model	5392
M (g)	680
Dimension (cm)	20.3 x 8.6 x 4.45
Battery	Two IEC type LR6-sized (AA-sized) 1.5 V alkaline batteries



NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



EPG PATIENT AND SURGICAL CABLES

PROCEDURE INNOVATIONS

Model	Description	Channel	Lenght (m)	
5832S	Surgical Cable, Reusable, One channel, Small Clips	A or V	1.83	
2292	Surgical Cable, Reusable, Two channels	A and V	3.66	
5833S / 5833SL	Surgical Cable, Disposable, Small Clips	A or V	1.83 / 3.66	
5487 / 5487L	Surgical Cable, Disposable	A or V	1.83 / 3.66	
5433A / 5433AL	Patient Cable, Reusable	A	1.83 / 3.66	
5433V / 5433VL	Patient Cable, Reusable	V	1.83 / 3.66	
5846A / 5846AL	Patient Cable, Disposable	A	1.83 / 3.66	
5846V / 5846VL	Patient Cable, Disposable	V	1.83 / 3.66	

NOTE: This is not intended to be a full product description.
For full description, refer to the Device Specification Sheet and/or Manual.



GLOSSARY



GLOSSARY

2:1 block rate – a conduction ratio in which every second atrial event is refractory. This results in a ventricular pacing rate that is one half as fast as the atrial rate. Also known as second-degree Mobitz Type II AV block.

Active Can – option to select the device case as an active electrode for delivering defibrillation and cardioversion therapies.

activities of daily living rate (ADL Rate) – the approximate target rate that the patient's heart rate is expected to reach during activities of daily living.

activities of daily living response (ADL response) – a programmable parameter that alters the slope of the rate response curve to adjust the targeted rate distribution in the submaximal rate range to match the patient's activity level.

activity sensor – accelerometer in the device that detects the patient's body movement.

AdaptivCRT – algorithm that enhances cardiac resynchronization therapy (CRT) by adjusting CRT parameter values automatically while the patient is ambulatory.

AF/Afl feature – PR Logic feature designed to discriminate between rapidly conducted atrial fibrillation or atrial flutter and ventricular tachyarrhythmia.

Antitachycardia pacing (ATP) – therapies that deliver rapid sequences of pacing pulses to terminate tachyarrhythmias.

Arrhythmia episode data – system that compiles an arrhythmia episode log that the clinician can use to view summary and detailed diagnostic data quickly, including stored EGM, for the selected arrhythmia episode.

AT/AF detection – feature that analyzes the atrial rate and its effect on the ventricular rhythm to determine whether the patient is currently experiencing an atrial tachyarrhythmia. Depending on programming, the device delivers a programmed sequence of atrial therapies or continues monitoring without delivering therapy.

AT/AF Interval – programmable interval used to define the AT/AF detection zone. The median atrial interval must be shorter than this value to detect an AT/AF episode.

ATP During Charging – device delivers a ventricular antitachycardia therapy sequence while the device charges its capacitors for the first defibrillation therapy during a VF episode.

Atrial antitachycardia pacing (ATP) – therapies that respond to an AT/AF episode or a Fast AT/AF episode with rapid sequences of pacing pulses to terminate detected atrial tachyarrhythmias.

Atrial cardioversion – therapy that delivers a high-voltage shock to treat an AT/AF episode or a Fast AT/AF episode. Atrial cardioversion delivery is synchronized to a sensed ventricular event and cannot exceed a programmable daily limit within programmable times.

Atrial Preference Pacing – atrial rhythm management feature that adapts the pacing rate to slightly higher than the intrinsic sinus rate.

Atrial Preference Pacing (APP) – atrial rhythm management feature that adapts the pacing rate to slightly higher

GLOSSARY

than the intrinsic sinus rate.

Atrial Rate Stabilization (ARS) – atrial rhythm management feature that eliminates a prolonged pause following a premature atrial contraction (PAC).

atrial refractory period – interval that follows an atrial paced or sensed event during which the device senses events but responds to them in a limited way. This interval is applied when the device is operating in a single chamber, atrial pacing mode.

Atrial therapy scheduling – feature that enables the clinician to program the delivery of automatic atrial therapies. Each time that an AT/AF therapy is needed, the device schedules one of the available therapies based on clinician programming.

atrial tracking – dual chamber pacing operation that paces the ventricle in response to atrial events.

Atrial Tracking Recovery (ATR) – feature that helps to restore atrial tracking if it is lost due to successive atrial events falling in the refractory period following ventricular senses.

Auto PVARP – Adjusts PVARP (Post-Ventricular Atrial Refractory Period) in response to changes in the patient's heart rate or pacing rate. PVARP is longer at lower tracking rates to prevent pacemaker-mediated tachycardia (PMT) and shorter at higher rates to maintain 1:1 tracking.

AV synchrony – coordinated contraction of the atria and ventricles for most effective cardiac output.

blanking period – time interval during which sensing in a chamber is disabled to avoid oversensing.

Burst+ pacing – antitachycardia pacing (ATP) therapy that delivers sequences of atrial pacing pulses with an interval that is a programmable percentage of the tachycardia cycle length, followed by up to 2 premature stimuli delivered at programmable intervals. With each sequence of Burst+ pacing delivered; the device shortens the pacing interval by a programmable interval.

Burst pacing – antitachycardia pacing (ATP) therapy that delivers sequences of ventricular pacing pulses with an interval that is a programmable percentage of the tachycardia cycle length. With each sequence of Burst pacing delivered, the device shortens the pacing interval by a programmable interval.

Capture Management – feature that monitors pacing thresholds with daily pacing threshold searches and, if programmed to do so, adjusts the pacing amplitudes toward a target amplitude.

Cardiac Compass Trends – overview of the patient's condition over the last 14 months with graphs that display long-term clinical trends in heart rhythm, such as frequency of arrhythmias, heart rates, and device therapies.

cardiac resynchronization therapy (CRT) – delivery of coordinated pacing pulses to the left and right ventricles designed to treat ventricular dysynchrony.

Combined Count detection – feature designed to prevent a delay in VF detection when ventricular tachyarrhythmia fluctuates between the VF and VT zones.

Conducted AF Response – feature that adjusts the pacing rate to help promote a regular ventricular rate during

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AT/AF episodes.

crosstalk – condition when pacing in one chamber is sensed as intrinsic activity in another chamber.

Decision Channel annotations – annotations to stored and telemetered EGM that document details about tachyarrhythmia detection operations.

device reset – automatic device operation to recover from a disruption in device memory and control circuitry. Programmed parameters may be set to default reset values. This operation triggers a device status indicator.
device status indicators – warnings that describe problems with device memory or operation.

EffectivCRT Diagnostic – feature that determines the percentage of effective CRT pacing. It provides data about the effectiveness of CRT pacing on the Quick Look screen and in RATE HISTOGRAMS, Cardiac Compass TRENDS, and EffectivCRT EPISODES.

EffectivCRT During AF – algorithm that dynamically adjusts the pacing rate in response to changes in the percentage of effective CRT pacing to promote CRT delivery in non-tracking modes.

EffectivCRT episodes data – feature that compiles diagnostic information to help the clinician identify the cause of ineffective CRT pacing and reprogram the device to avoid it.

electromagnetic interference (EMI) – energy transmitted from external sources by radiation, conduction, or induction that can interfere with device operations, such as sensing, or can potentially damage device circuitry.

EOS (End of Service) – battery status indicator displayed by the implantable device app to indicate that the device should be replaced immediately and that it may not operate per specifications.

event – a sensed or paced beat.

evoked response detection – the act of detecting the electrical signal generated by the contracting myocardium immediately following a pacing pulse.

exertion rate range – rates at or near the Upper Sensor Rate that are achieved during vigorous exercise.

Flashback – diagnostic feature that records the intervals that immediately preceded tachyarrhythmia episodes or that preceded the last interrogation of the device and plots the interval data over time.

Heart Failure Management Report – report that summarizes the patient's clinical status and observations since the last follow-up appointment and provides graphs that show trends in heart rates, arrhythmias, and fluid accumulation indicators over the last 14 months.

High Rate Timeout – feature that allows the device to delivery therapy for any ventricular tachyarrhythmia that continues beyond the programmed length of time.

Holter telemetry – telemetry feature that transmits EGM and marker data continuously for a programmable number of hours, regardless of whether telemetry actually exists between the device and device manager.

Home communicator – instrument that wirelessly receives information from a patient's implanted device and then

GLOSSARY

transmits the information to the Medtronic CareLink Network via a cellular phone network or a home WiFi network. This dedicated instrument is placed within range of where the patient sleeps.

last session – refers to the last time the device was successfully interrogated before the current interrogation. A session ends 8 hours after the last interrogation.

median atrial interval – the seventh in a numerically ordered list of the 12 most recent A-A intervals.

median ventricular interval – the seventh in a numerically ordered list of the 12 most recent V-V intervals.

Medtronic CareAlert Monitoring – the continuous monitoring for, and silent, wireless transmission of, alert data between an implanted device and the Medtronic CareLink Network.

Medtronic CareAlert notifications – alert information sent via the Medtronic CareLink Network that notifies clinics and clinicians of events that impact patients or their implanted devices.

Medtronic CareLink Network – Internet-based service that allows a patient to transmit cardiac device information from home or other locations to the physician over a secure server. The CareLink Network may be unavailable in some geographic locations.

Mode Switch – feature that switches the device pacing mode from a dual-chamber atrial tracking mode to a non-tracking mode during an atrial tachyarrhythmia. This feature prevents rapid ventricular pacing that may result from tracking a high atrial rate and restores the programmed pacing mode when the atrial tachyarrhythmia ends.

MR Conditional – an item that has been demonstrated to pose no known hazards in a specified MR environment with specified conditions for use.

MRI SureScan – a feature that permits a mode of operation that allows a patient with a SureScan system to be safely scanned by an MRI machine while the device continues to provide appropriate pacing.

Multiple point pacing (MPP) – feature that allows the device to deliver a second, separately programmed LV pacing pulse during CRT pacing.

MVP (Managed Ventricular Pacing) – atrial-based pacing mode that is designed to switch to a dual chamber pacing mode in the presence of AV block. The MVP feature is intended to reduce unnecessary right ventricular pacing by promoting intrinsic conduction. The MVP modes are AAIR $\Rightarrow$ DDDR and AAI $\Rightarrow$ DDD.

Non-Competitive Atrial Pacing (NCAP) – programmable pacing feature that prohibits atrial pacing within a programmable interval after a refractory atrial event.

non-sustained VT (VT-NS) – ventricular rhythm that is fast enough to fall within the programmed VT and VF zones for at least 5 beats but does not meet any episode detection criteria.

Onset – feature that helps prevent detection of sinus tachycardia as VT by evaluating the acceleration of the ventricular rate.

OptiVol 2.0 fluid status monitoring – feature that identifies a potential increase in thoracic fluid, which may indicate lung congestion, by monitoring changes in thoracic impedance.

GLOSSARY

OptiVol event – an occurrence of the OptiVol 2.0 Fluid Index exceeding the programmed OptiVol Threshold, which may indicate fluid accumulation in the patient's thoracic cavity.

OptiVol Threshold – a programmable value of the OptiVol 2.0 Fluid Index. Values above this threshold may indicate fluid accumulation in the patient's thoracic cavity and define the occurrence of an OptiVol event.

Other 1:1 SVTs feature – PR Logic feature designed to withhold ventricular detection for supraventricular tachycardias that exhibit nearly simultaneous atrial and ventricular activation.

oversensing – inappropriate sensing of cardiac events or noncardiac signals. Examples include far-field R-waves, T-waves, myopotentials, and electromagnetic interference.

Paced AV (PAV) interval – programmable delay between an atrial pace and its corresponding scheduled ventricular pace.

pacemaker-mediated tachycardia (PMT) – a rapid, inappropriately paced rhythm that can occur with atrial tracking modes. PMT results when a device senses and tracks retrograde P-waves in the DDD mode or the DDDR mode.

pacing threshold – minimum pacing output that consistently captures the heart.

patient alert – a tone emitted from an implanted device to notify the patient of an alert condition.

Patient app – application that automatically gathers information from a patient's implanted device and transmits it to clinicians through the Medtronic CareLink Network. This application is installed on a patient-owned tablet or smart phone and communicates with the implanted device via Bluetooth® wireless technology.

PMOP (Post Mode Switch Overdrive Pacing) – atrial intervention feature that works with the Mode Switch feature to deliver overdrive atrial pacing during the vulnerable phase following an AT/AF episode termination.

Post Shock Pacing – feature that provides temporary pacing support after a high-voltage therapy by increasing the pacing amplitude and pulse width to prevent loss of capture.

Post VT/VF Shock Pacing – feature that provides temporary overdrive pacing that may improve cardiac output after a high-voltage therapy.

Pre-arrhythmia EGM storage – programmable option to record EGM from before the onset or detection of a tachyarrhythmia. While this feature is operating, the device records EGM continuously. If a tachyarrhythmia episode occurs, the most recently collected EGM is added to the episode record to document the rhythm at onset.

PR Logic – set of features that uses pattern and rate analysis to discriminate between supraventricular tachycardias (SVTs) and true ventricular tachyarrhythmias.

Progressive Episode Therapies – feature that causes the device to skip therapies or modify high-voltage energy levels to ensure that each therapy delivered during an episode is at least as aggressive as the previous therapy.

PVAB (Post-Ventricular Atrial Blanking) – interval after ventricular events during which atrial events are ignored by bradycardia pacing features or are not sensed by the device, depending on the programmed PVAB method.

GLOSSARY

PVARP (Post Ventricular Atrial Refractory Period) – atrial refractory period following a ventricular event used to prevent inhibition or pacemaker-mediated tachycardias (PMTs) in dual chamber pacing modes.

PVC (premature ventricular contraction) – a sensed ventricular event that directly follows any other ventricular event with no atrial event between them.

PVC Response – feature that extends PVARP following a premature ventricular contraction (PVC) to avoid tracking a retrograde P-wave and to prevent retrograde conduction from inhibiting an atrial pace.

Quick Look – implantable device app screen that presents overview data about device operation and patient rhythms collected since the last patient session. It includes links to more detailed status and diagnostic information stored in the device, such as arrhythmia episodes and therapies provided.

Ramp pacing – antitachycardia pacing (ATP) therapy that delivers pacing pulses with progressively shorter pacing intervals per pulse. Each sequence of Ramp pacing that is delivered during a therapy includes an additional pacing pulse.

Rate Adaptive AV (RAAV) – dual chamber pacing feature that varies the Paced AV (PAV) and Sensed AV (SAV) intervals as the heart rate increases or decreases to maintain 1:1 tracking and AV synchrony.

Rate Drop Response – feature that monitors the heart for a significant drop in rate and responds by pacing the heart at an elevated rate for a programmed duration.

Rate Drop Response episodes data – feature that displays beat-to-beat data that is useful in analyzing Rate Drop Response episodes and the events leading up to those episodes.

Rate Histograms – diagnostic feature that shows range distributions for a patient's heart rate.

rate profile – rate histogram of the sensor rates used by Rate Profile optimization to automatically adjust Rate Response settings.

Rate Profile Optimization – feature that monitors the patient's daily and monthly sensor rate profiles and adjusts the rate response curves over time to achieve a prescribed target rate profile.

Rate Response – feature that adjusts the cardiac pacing rate in response to changes in sensed patient activity.

Reactive ATP – algorithm that allows the device to repeat programmed atrial antitachycardia pacing (ATP) therapies during long AT/AF episodes. Therapies are repeated after a programmed time interval or when the atrial rhythm changes in regularity or cycle length.

reference impedance – a baseline against which daily thoracic impedance is compared to determine if thoracic fluid is increasing.

refractory period – time interval during which the device senses events normally but classifies them as refractory and responds to them in a limited way.

Remaining longevity estimate – an estimate of remaining device longevity that is displayed on the Quick Look screen and the BATTERY AND LEAD MEASUREMENTS window. This information includes a graphical display for

GLOSSARY

easy reference and the estimated number of years or months of remaining longevity. In the battery and lead measurements window, the minimum and maximum number of years or months of remaining device longevity are also provided. The remaining longevity estimate is updated when parameters are reprogrammed and when the device is interrogated.

RESUME – programming command that reinstates automatic tachyarrhythmia detection.

retrograde conduction – electrical conduction from the ventricles to the atria.

RRT (Recommended Replacement Time) – battery status indicator displayed by the implantable device app to indicate when replacement of the device is recommended.

RV Lead Integrity Alert – feature that sounds an alert tone to warn the patient that a potential RV lead problem is suspected, which could indicate a lead fracture.

RV Lead Noise Alert – feature that sounds an alert tone when RV Lead Noise Discrimination withholds VT/VF detection because of the presence of noise on the RV lead. Noise could indicate lead fracture, breached lead insulation, lead dislodgment, or improper lead connection.

RV Lead Noise Discrimination – feature that compares a far-field EGM signal to the near-field sensing signal to differentiate RV lead noise from VT/VF. If lead noise is identified when these signals are compared, the device withholds VT/VF detection and therapy and triggers an RV Lead Noise Alert.

Sensed AV (SAV) interval – programmable delay following an atrial sensed event that schedules a corresponding ventricular pace.

sensed event – electrical activity across the sensing electrodes that exceeds the programmed sensitivity threshold and is identified by the device as a cardiac event.

Sensing Integrity Counter – diagnostic counter that records the number of short ventricular intervals that occur between patient sessions. A large number of short ventricular intervals may indicate double-counted R-waves, lead fracture, or a loose setscrew.

sensor rate – the pacing rate determined by the level of patient activity and the programmed rate response parameters; this rate is adjusted between the Upper Sensor Rate and the operating Lower Rate.

sequence, ATP – one programmable set of antitachycardia pacing (ATP) therapy pulses.

Sinus Tach feature – PR Logic feature designed to discriminate between high rate sinus tachycardia and ventricular tachyarrhythmia.

Sleep – feature that causes the device to pace at a slower rate during a programmed sleep period.

Smart Mode – feature that disables an ATP therapy that has been unsuccessful in 4 consecutive episodes so the device can treat subsequent episodes more quickly with therapies that have been effective.

Stability – feature that helps prevent detection of atrial fibrillation as ventricular tachyarrhythmia by evaluating the stability of the ventricular rate. If the device determines that the ventricular rate is not stable, it withholds VT detection.

GLOSSARY

SUSPEND – programming command that temporarily deactivates the tachyarrhythmia detection functions.

SVT V. Limit – feature that allows you to program a highest rate for which PR Logic and Wavelet can withhold detection and therapy.

synchronization – period during defibrillation and cardioversion therapies when the device attempts to deliver the therapy shock simultaneously with a sensed ventricular event.

thoracic impedance – impedance across the thorax as measured from 2 points within the thorax.

TWave Discrimination – feature that withholds VT/VF detection when a fast ventricular rate is detected because of oversensed T-waves.

undersensing – failure of the device to sense intrinsic cardiac activity.

ventricular antitachycardia pacing (ATP) – therapies that respond to a VT episode or an FVT episode with rapid sequences of pacing pulses to end detected ventricular tachyarrhythmias.

ventricular cardioversion – therapy that delivers a high-voltage shock to treat a VT or an FVT episode. Therapy is synchronized to a sensed ventricular event.

ventricular fibrillation (VF) therapies – therapies that deliver automatic defibrillation shocks to treat VF episodes. The first defibrillation therapy requires VF confirmation before delivery. After the first shock has been delivered, shocks are delivered asynchronously if synchronization fails.

Ventricular Rate Stabilization (VRS) – ventricular rhythm management feature that adjusts the pacing rate dynamically to eliminate the long pause that typically follows a premature ventricular contraction (PVC).

Ventricular Safety Pacing (VSP) – pacing therapy feature that prevents inappropriate inhibition of ventricular pacing caused by crosstalk or ventricular oversensing.

Ventricular Sense Response (VSR) – feature intended to promote continuous CRT pacing by providing ventricular pacing in response to ventricular sensed events.

Ventricular sensing episodes data – feature that compiles diagnostic information to help the clinician identify the cause of ventricular sensing episodes and reprogram the device to avoid these episodes.

VF confirmation – device operation that confirms the presence of VF after initial detection but before a defibrillation therapy is delivered. This feature applies only to the first programmed VF therapy.

VT/VF detection – feature that uses programmable detection zones to classify ventricular events. Depending on programming, the device delivers a scheduled therapy, re-evaluates the patient's heart rhythm, and ends or re-detects the episode.

VT monitoring – programmable option that allows the device to detect fast rhythms as VT and record episode data without delivering VT therapy.

GLOSSARY

Wavelet – feature designed to prevent detection of rapidly conducted SVTs as ventricular tachyarrhythmias by comparing the shape of each QRS complex during a fast ventricular rate to a template.

Brief Statement

See the device manual for detailed information regarding the instructions for use, the implant procedure, indications, contraindications, warnings, precautions, and potential adverse events. If using an MRI SureScan™ device, see the MRI SureScan™ technical manual before performing an MRI. For further information, contact your local Medtronic representative and/or consult the Medtronic website at [medtronic.eu](https://www.medtronic.eu).

For applicable products, consult instructions for use on www.medtronic.com/manuals.

Manuals can be viewed using a current version of any major internet browser.

For best results, use Adobe Acrobat® Reader with the browser.

IMPORTANT REMINDER

This information is intended only for users in markets where Medtronic products and therapies are approved or available for use as indicated within the respective product manuals. Content on specific Medtronic products and therapies is not intended for users in markets that do not have authorization for use.

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OPERATING ROOM **ESSENTIALS**

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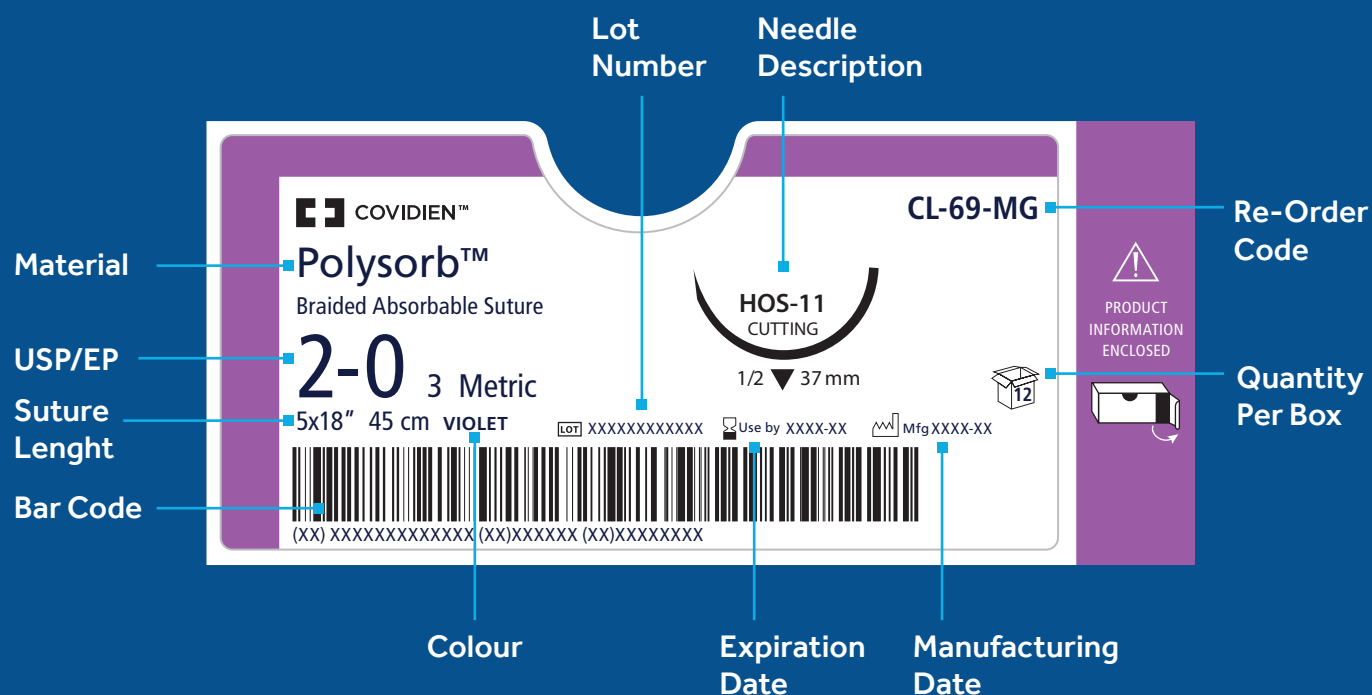
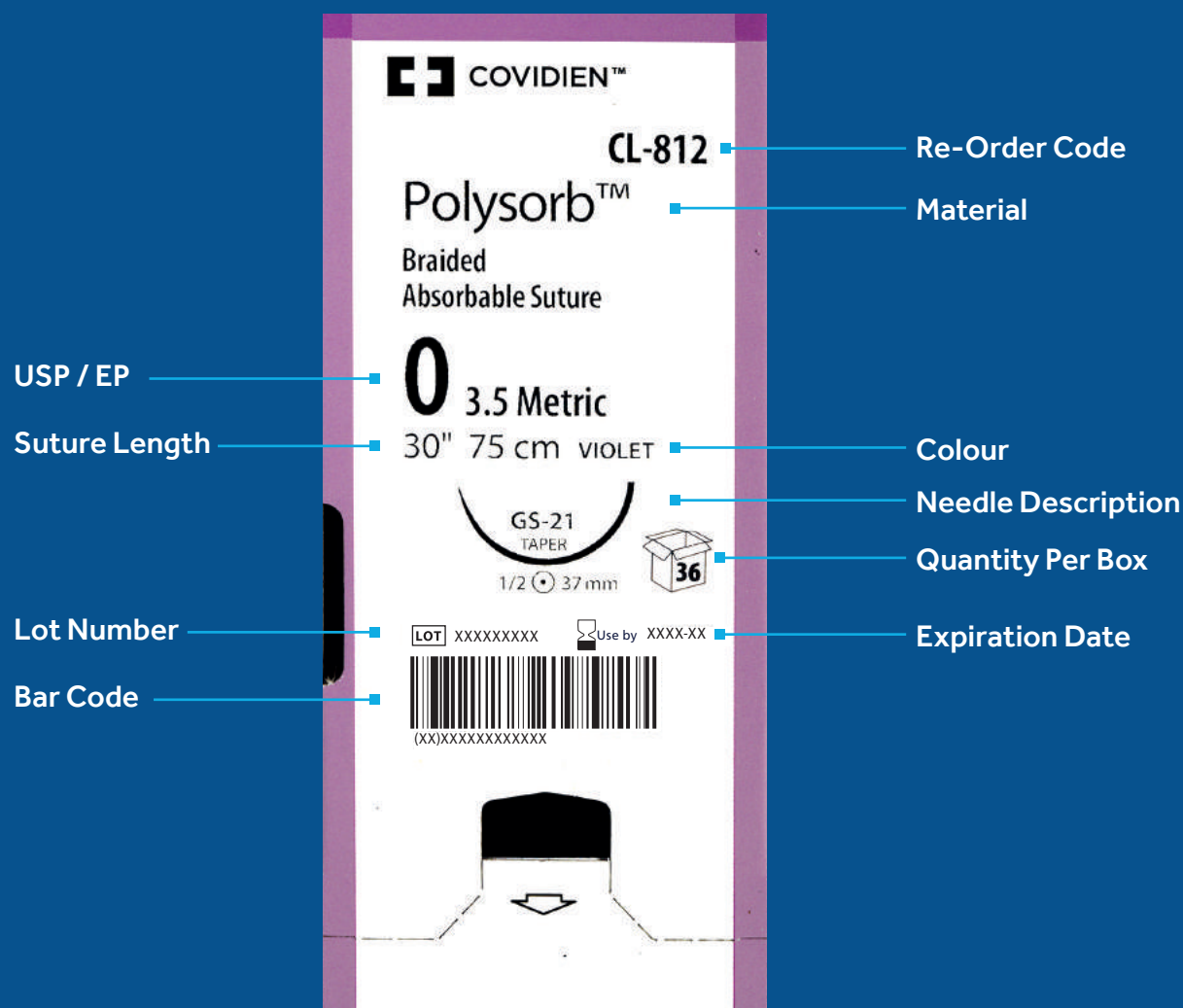
Wound Closure **Catalogue**

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



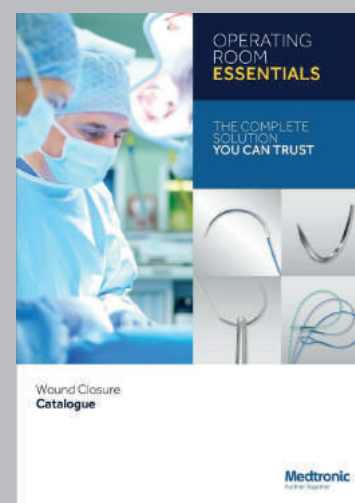
Laparoscopic Access



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

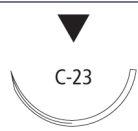
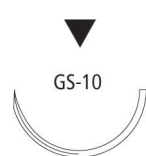
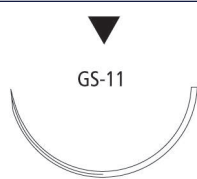
REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-1 3/8 Circle 12.0 mm 	5-0	1	75	30	Undyed	36		SV-2289
	4-0	1.5	45	18	Undyed	36		SV-1290
	4-0	1.5	75	30	Undyed	36		SV-2290
C-12 3/8 Circle 16.0 mm 	5-0	1	75	30	Undyed	36		SV-2296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

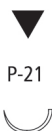
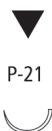




PREMIUM REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
P-10 3/8 Circle 11.0 mm 	6-0	0.7	45	18	Undyed	36		SV-9913		
	6-0	0.7	45	18	Violet	36		SV-32		
	6-0	0.7	75	30	Undyed	36		SV-4893		
	5-0	1	45	18	Undyed	36		SV-9915		
P-13 3/8 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		



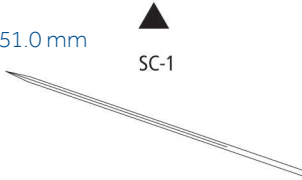
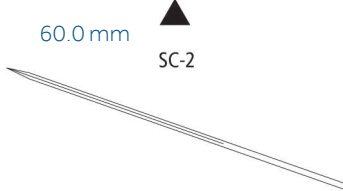


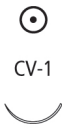
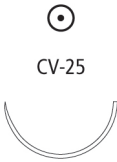
PREMIUM REVERSE CUTTING											
Needles Specifications				Size		Length		Color	Units Per box	Comments	Reorder code
				USP	EP	cm	Inches				
P-21 1/2 Circle 9.0 mm 		P-21	4-0	1.5	45	18	Undyed	36		SV-1642	
P-24 1/2 Circle 16.0 mm 		P-24	5-0	1	45	18	Undyed	12		SV-9910G	
			4-0	1.5	45	18	Undyed	12		SV-9911G	

CONVENTIONAL CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
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	



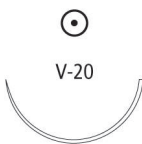
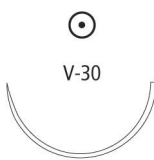


CONVENTIONAL CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
SC-1 Straight 51.0 mm  SC-1	4-0	1.5	75	30	Undyed	36		SV-2238
	3-0	2	75	30	Undyed	36		SV-2239
	2-0	3	75	30	Undyed	36		SV-2240
SC-2 Straight 60.0 mm  SC-2	3-0	2	75	30	Undyed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

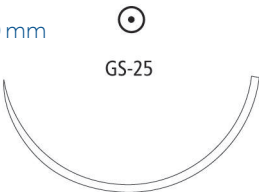
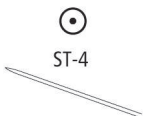




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
V-20 1/2 Circle 26.0 mm		V-20	4-0	1.5	75	30	Undyed	36		CV-415
			3-0	2	75	30	Undyed	12		CV-416G
			2-0	3	75	30	Undyed	12		CV-417G
			0	3.5	75	30	Undyed	36		CV-418
GS-22 1/2 Circle 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



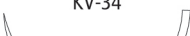


TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-24 1/2 Circle 40.0 mm  GS-24	2-0	3	90	36	Undyed	36		CV-9592
	0	3.5	90	36	Undyed	36		CV-9591
	1	4	90	36	Undyed	36		CV-9590
GS-25 1/2 Circle 48.0 mm  GS-25	2-0	3	90	36	Undyed	36		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  GU-45	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  GU-44	0	3.5	90	36	Undyed	36		UV-1381
	1	4	90	36	Undyed	36		UV-1382
ST-4 Straight 19.0 mm  ST-4	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  HGS-20	1	4	90	36	Undyed	36		CV-1696

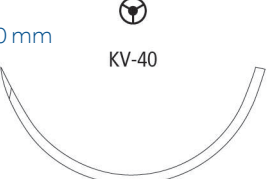




TAPERCUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
KV-11 3/8 Circle 13.0 mm	 KV-11 	5-0	1	75	30	Undyed	36		CV-2293	
KV-15 3/8 Circle 17.0 mm	 KV-15 	4-0	1.5	45	18	Undyed	12		CV-2275G	
		4-0	1.5	75	30	Undyed	36		CV-2279	
		3-0	2	75	30	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

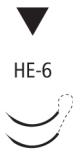
STANDARD LENGTH

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



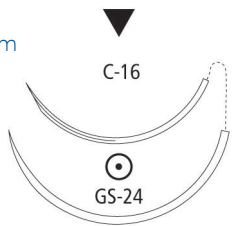
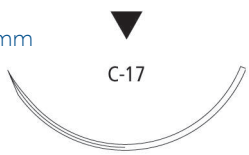




REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-12 3/8 Circle 16.0 mm 	5-0	1	75	30	Violet	36		SL-630
	4-0	1.5	75	30	Violet	36		SL-607
	4-0	1.5	75	30	Undyed	36		SL-605
	3-0	2	75	30	Violet	36		SL-608
C-13 3/8 Circle 19.0 mm 	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

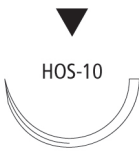
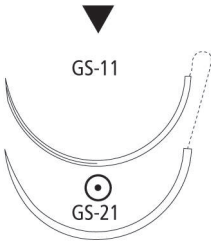




REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
C-16 3/8 Circle 30.0 mm 	3-0	2	75	30	Undyed	36		SL-696	
	2-0	3	75	30	Violet	36		SL-714	
	2-0	3	75	30	Undyed	36		SL-611	
	0	3.5	75	30	Violet	36		SL-713	
	0	3.5	75	30	Undyed	36		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	

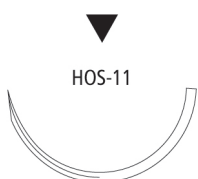




REVERSE CUTTING									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
HOS-10 1/2 Circle 26.0 mm 		2-0	3	3 × 45	18	Violet	12	D-Tach™	CL-356-MG
		2-0	3	3 × 45	18	Undyed	12	D-Tach™	CL-354-MG
		0	3.5	5 × 45	18	Undyed	12	D-Tach™	CL-55-MG
		0	3.5	3 × 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



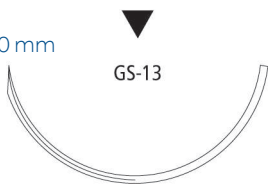
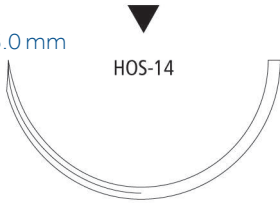


REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
HOS-11 1/2 Circle 37.0 mm 	2-0	3	3 × 45	18	Undyed	12	D-Tach™	CL-374-MG	
	2-0	3	3 × 45	18	Violet	12	D-Tach™	CL-369-MG	
	2-0	3	75	30	Violet	36		CL-526	
	2-0	3	75	30	Undyed	36		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

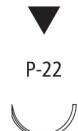
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-10 3/8 Circle 11.0 mm 	7-0	0.5	45	18	Undyed	12		SL-1624G
	6-0	0.7	45	18	Undyed	36	Surgalloy™	SL-1625
	6-0	0.7	45	18	Undyed	12	Surgalloy™	SL1625G
	5-0	1	45	18	Undyed	36	Surgalloy™	SL-1689
	5-0	1	45	18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





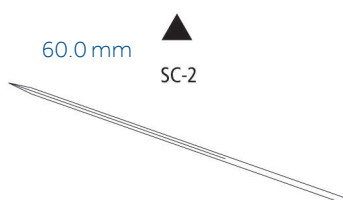
PREMIUM REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
P-13 3/8 Circle 13.0 mm 	6-0	0.7	45	18	Undyed	36	Surgalloy™	SL-5688	
	6-0	0.7	45	18	Undyed	12	Surgalloy™	SL-5688-G	
	5-0	1	45	18	Undyed	12	Surgalloy™	SL-5687G	
	5-0	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	

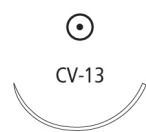
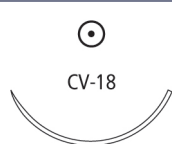
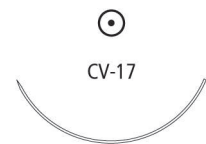




CONVENTIONAL CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
PC-13 3/8 Circle 11.0 mm		6-0	0.7	45	18	Undyed	36		SL-1660	
		5-0	1	45	18	Undyed	36		SL-1659	
		4-0	1.5	45	18	Undyed	36		SL-1658	
PC-11 3/8 Circle 16.0 mm		6-0	0.7	45	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	

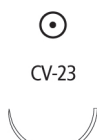




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
MV-135-5 3/8 Circle 6.0 mm		MV-135-5	8-0	0.4	13	5	Violet	12	Surgalloy™	L-2800
CV-11 3/8 Circle 13.0 mm		CV-11	6-0	0.7	75	30	Violet	36		GL-889
			5-0	1	75	30	Violet	36		GL-890
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

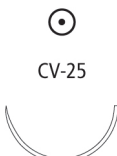
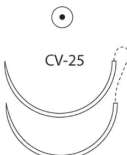




TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
CVF-21 1/2 Circle 12.0 mm	 CVF-21	6-0	0.7	45	18	Violet	36	Surgalloy™	UL-102	
		6-0	0.7	45	18	Undyed	36	Surgalloy™	UL-101	
		5-0	1	45	18	Undyed	36	Surgalloy™	SL-432	
		4-0	1.5	45	18	Undyed	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	

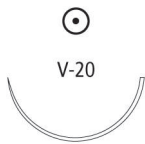
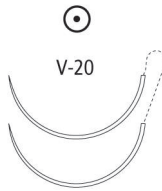




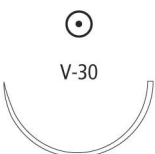
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-24 1/2 Circle 20.0 mm		4-0	1.5	75	30	Violet	36		CL-460	
		3-0	2	75	30	Violet	36		CL-461	
		2-0	3	75	30	Violet	36		CL-462	
CV-25 1/2 Circle 22.0 mm		4-0	1.5	5 × 45	18	Violet	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

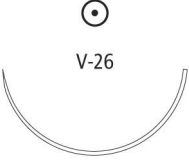
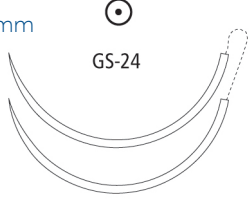




TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-21 1/2 Circle 37.0 mm 	4-0	1.5	75	30	Violet	36		CL-809
	3-0	2	5 × 45	18	Violet	12	D-Tach™	CL-8-MG
	3-0	2	75	30	Undyed	36		CL-842
	3-0	2	75	30	Violet	36		CL-810
	3-0	2	90	36	Violet	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

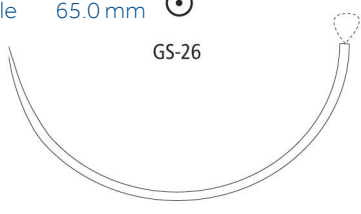
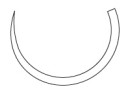
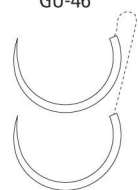




TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-25 1/2 Circle 48.0 mm 	3-0	2	75	30	Violet	36		CL-862
	3-0	2	90	36	Undyed	36		CL-972
	2-0	3	5 × 45	18	Undyed	12	D-Tach™	CL-36-MG
	2-0	3	75	30	Violet	36		CL-863
	2-0	3	90	36	Undyed	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	





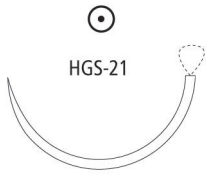
TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
SK SKI	23.0 mm	 SK 	3-0	2	18	7	Violet	36	Endoscopy	EL415
			3-0	2	120	48	Violet	24	Endoscopy	EL450
TJ-32 1/2 Circle	32.0 mm	 TJ-32 	1	4	75	30	Violet	12		CL-673G
			1	4	75	30	Violet	36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

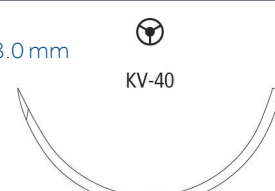
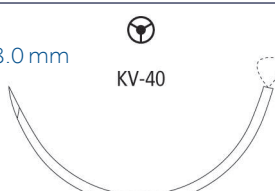
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
HGS-21 LOOP 1/2 Circle 37.0 mm 	0	3.5	150	60	Violet	24	Loop	CL-871-L
HGU-46 5/8 Circle 27.0 mm 	0	3.5	45	18	Violet	36		CL-576
	0	3.5	75	30	Violet	36		CL-677
	1	4	75	30	Violet	36		UL-676

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	

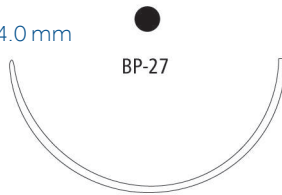
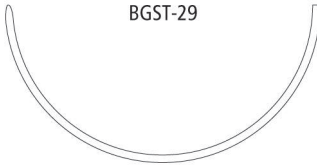
BLUNT POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
BTV-20 1/2 Circle 26.0 mm 	3-0	2	5 × 45	18	Undyed	12	D-Tach™, ProtectPoint™	GLT-69-MG	
BGS-21 1/2 Circle 37.0 mm 	2-0	3	90	36	Violet	36	ProtectPoint™	CL-956	
	2-0	3	90	36	Undyed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



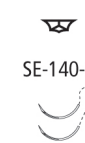


MULTIPURPOSE									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
4.41 1/2 Circle 40.0 mm  4.41 	2-0	3	75	30	Violet	36		CL-045	
	0	3.5	75	30	Violet	36		UL-046	
			75	30	Violet	36		CL-047	
4.5 1/2 Circle 50 mm (Not to scale)  4.50 	2	5	90	36	Violet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

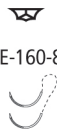




SPATULA										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
SS-14 1/4 Circle 8.6 mm Double-arm		6-0	0.7	45	18	Violet	12	Surgalloy™	L-1791K	
		6-0	0.7	45	18	Undyed	12	Surgalloy™	L-1670-K	
		5-0	1	45	18	Violet	12	Surgalloy™	L-1792K	
		5-0	1	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

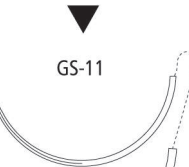
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	3-0	2	150	60	Undyed	24		C-212
	0	3.5	150	60	Undyed	36		C-214

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



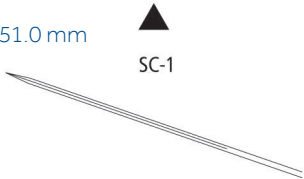
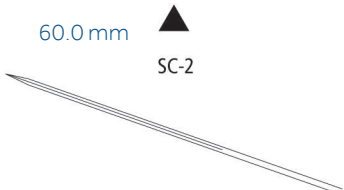


PREMIUM REVERSE CUTTING											
Needles Specifications				Size		Length		Color	Units	Comments	Reorder code
				USP	EP	cm	Inches		Per box		
P-11 3/8 Circle 16.0 mm		6-0	0.7	45	18	Undyed	12	Surgalloy™	SC-5635G		
		5-0	1	45	18	Undyed	12	Surgalloy™	SC-5626G		
		5-0	1	45	18	Undyed	36	Surgalloy™	SC-5626		
		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		

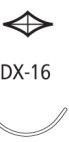




CONVENTIONAL CUTTING

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

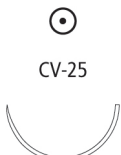
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
DX-13 3/8 Circle 13.0 mm  DX-13	5-0	1	45	18	Undyed	12	DermaX	XC-834
DX-16 3/8 Circle 16.0 mm  DX-16	5-0	1	45	18	Undyed	12	DermaX	XC-844
	4-0	1.5	45	18	Undyed	12	DermaX	XC-845



DERMAX PREMIUM X CUTTING

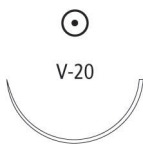
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
DX-19 3/8 Circle 19.0 mm  DX-19	4-0	1.5	45	18	Undyed	12	DermaX	XC-823

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

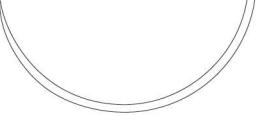
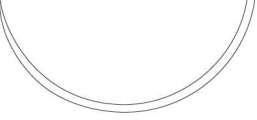




TAPER POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
V-20 1/2 Circle 26.0 mm 	4-0	1.5	75	30	Violet	36	Surgalloy™	GC-321	
	4-0	1.5	75	30	Undyed	36	Surgalloy™	GC-121	
	3-0	2	75	30	Undyed	36	Surgalloy™	GC-122	
	3-0	2	75	30	Violet	36	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 	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.



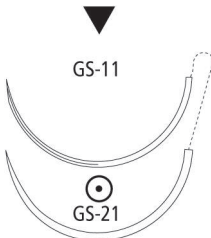
Biosyn™ suture is a brand you have trusted for over 15 years with a proven history of performance.

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

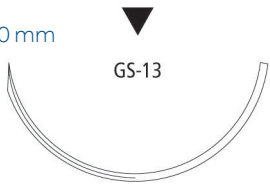


REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
C-14 3/8 Circle 24.0 mm 	3-0	2	75	30	Undyed	36		SM-693		
	2-0	3	75	30	Violet	36		SM-923		
	2-0	3	75	30	Undyed	36		SM-823		
C-23 1/2 Circle 24.0 mm 	4-0	1.5	75	30	Violet	36		SM-633		
	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

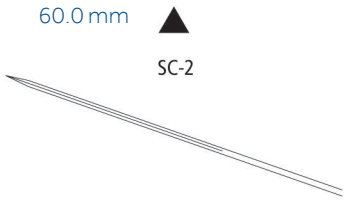




PREMIUM REVERSE CUTTING

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

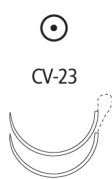
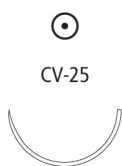
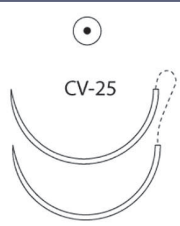


X CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
DX-13 3/8 Circle 13.0 mm	 DX-13 	5-0	1	45	18	Undyed	12	DermaX	XM-834	
DX-16 3/8 Circle 16.0 mm	 DX-16 	4-0	1.5	45	18	Undyed	12	DermaX	XM-845	
DX-19 3/8 Circle 19.0 mm	 DX-19 	5-0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

TAPER POINT										
Needles Specifications			Size		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	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	

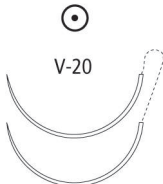
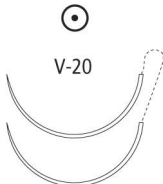
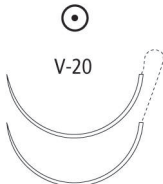
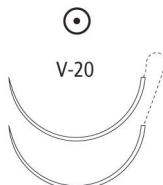
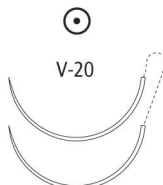
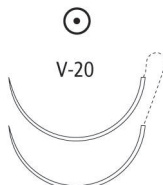
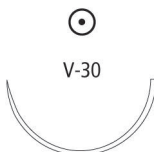
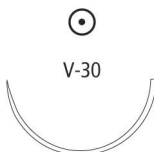
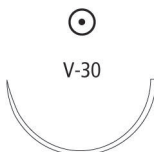




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-22 1/2 Circle 13.0 mm		6-0	0.7	75	30	Violet	36	Surgalloy™	UM-986	
		6-0	0.7	75	30	Undyed	36	Surgalloy™	UM-886	
		5-0	1	75	30	Violet	36	Surgalloy™	GM-875	
CV-23 1/2 Circle 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	

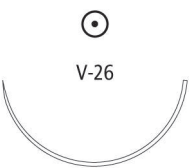




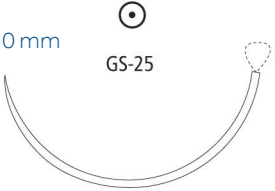
TAPER POINT											
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code	
			USP	EP	cm	Inches					
V-20 1/2 Circle 26.0 mm				4-0	1.5	75	30	Violet	36	Surgalloy™	GM-121
				4-0	1.5	75	30	Undyed	36	Surgalloy™	GM-321
				3-0	2	5 × 45	18	Undyed	12		GM-69-M
				3-0	2	75	30	Violet	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





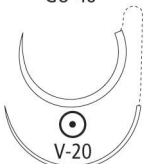
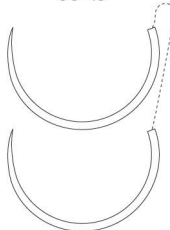
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Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
V-26 1/2 Circle 37.0 mm 		3-0	2	75	30	Undyed	36		GM-226
		2-0	3	75	30	Undyed	36		GM-227
GS-21 1/2 Circle 37.0 mm 		3-0	2	5 × 45	18	Violet	12	D-Tach™	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	





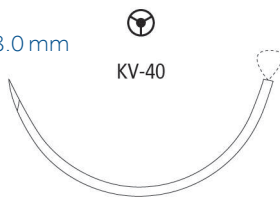
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Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
GU-46 5/8 Circle 27.0 mm	 GU-46 	3-0	2	75	30	Violet	36		UM-879	
		2-0	3	75	30	Undyed	36		UM-978	
		2-0	3	75	30	Violet	36		UM-878	
		0	3.5	75	30	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





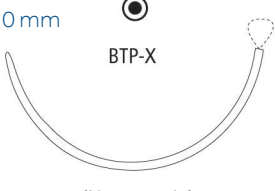
TAPERCUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
KV-34 1/2 Circle 37.0 mm  KV-34			2-0	3	75	30	Undyed	36		CM-827
KV-40 LOOP 1/2 Circle 48.0 mm  KV-40			1	4	150	60	Violet	12	Loop	CM-740L



BLUNT POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
BTV-20 1/2 Circle 26.0 mm		BTV-20	3-0	2	75	30	Undyed	36		GMT-226
BTP-1 1/2 Circle 37.0 mm		BTP-1	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		BGS-24	1	4	90	36	Violet	36	ProtectPoint™	CM-951
BGS-25 1/2 Circle 48.0 mm		BGS-25	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

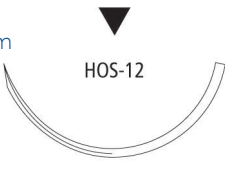
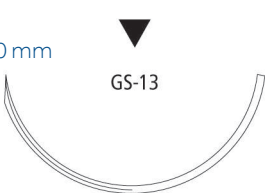
REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-1 3/8 Circle 12.0 mm 	5-0	1	45	18	Green	36		8886660521
	4-0	1.5	45	18	Green	36		8886660531
C-12 3/8 Circle 16.0 mm 	4-0	1.5	75	30	Clear	36		8886611831
C-13 3/8 Circle 19.0 mm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



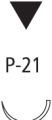


PREMIUM REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
P-10 3/8 Circle 11.0 mm		6-0	0.7	45	18	Green	36	Surgalloy™	8886653311	
		6-0	0.7	45	18	Clear	36	Surgalloy™	8886653211	
		5-0	1	45	18	Clear	36	Surgalloy™	8886653221	
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	

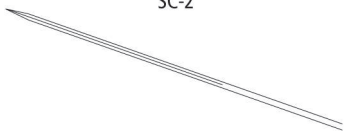
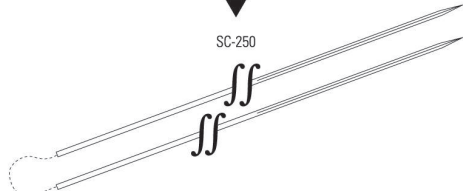




PREMIUM REVERSE CUTTING

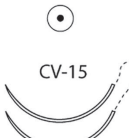
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-21 1/2 Circle 9.0 mm 	5-0	1	45	18	Clear	12		88866704-23
P-24 1/2 Circle 16.0 mm 	4-0	1.5	45	18	Clear	36	Surgalloy™	SMM-5831

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

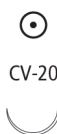
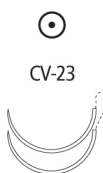
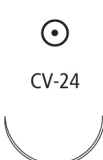
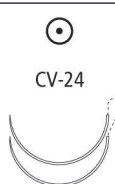




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-1 3/8 Circle 9.0 mm Double-arm		7-0	0.5	45	18	Green	36	Surgalloy™	8886614501	
		7-0	0.5	60	24	Green	36	Surgalloy™	8886613901	
		7-0	0.5	75	30	Green	36	Surgalloy™	8886612701	
		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		6-0	0.7	45	18	Green	36	Surgalloy™	8886611511	
CV-11 3/8 Circle 13.0 mm		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		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		4-0	1.5	75	30	Green	36		8886605731	
CV-15 3/8 Circle 17.0 mm Double-arm		5-0	1	75	30	Green	36	Surgalloy™	8886646221	
		4-0	1.5	75	30	Green	36	Surgalloy™	8886646231	

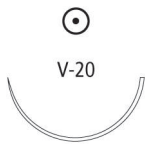
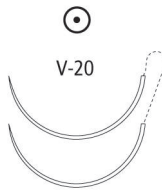
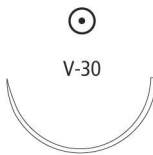




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-20 1/2 Circle 10.0 mm		CV-20	6-0	0.7	75	30	Green	36	Surgalloy™	8886600111
CV-22 1/2 Circle 13.0 mm		CV-22	6-0	0.7	75	30	Green	36	Surgalloy™	8886621311
			5-0	1	75	0	Green	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		CV-23	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		CV-23	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		CV-23	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		CV-24	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		CV-24	4-0	1.5	90	36	Green	36		8886622131
			3-0	2	90	36	Green	36		8886603641

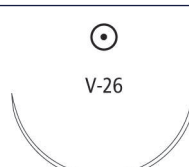




TAPER POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
V-20 1/2 Circle 26.0 mm 	4-0	1.5	45	18	Green	12	D-Tach™	8886622933	
	4-0	1.5	5 × 75	30	Green	12	D-Tach™	8886603433	
	4-0	1.5	105	42	Green	36		8886614331	
	3-0	2	5 × 45	18	Green	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	

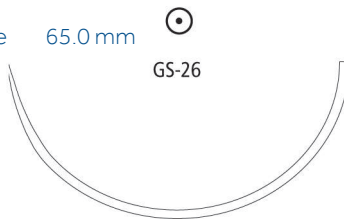




TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-21 1/2 Circle 37.0 mm 	3-0	2	75	30	Green	36		8886626741
	2-0	3	5 × 45	18	Green	12	D-Tach™	8886627553
	2-0	3	75	30	Green	36		8886626751
	2-0	3	90	36	Green	36		8886626951
	2-0	3	150	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

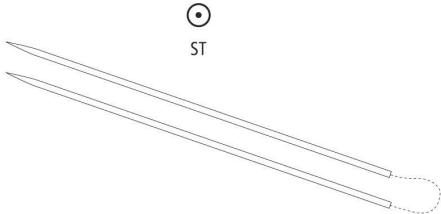




TAPER POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
GS-25 1/2 Circle 48.0 mm 	0	3.5	5 × 45	18	Green	12	D-Tach™	8886631163	
	0	3.5	90	36	Green	36		8886630761	
	1	4	5 × 45	18	Green	12	D-Tach™	8886631173	
	1	4	90	36	Green	36		8886630771	
	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



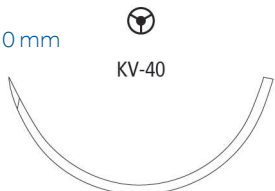
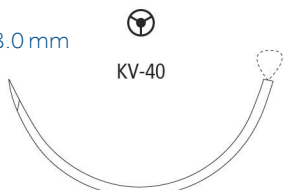


TAPERCUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
KV-1 3/8 Circle 9.0 mm	 KV-1 	6-0	0.7	75	30	Green	36	Surgalloy™	88866768-11	
KV-11 3/8 Circle 13.0 mm	 KV-11 	6-0	0.7	75	30	Green	36	Surgalloy™	88866297-11	
		5-0	1	75	30	Green	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

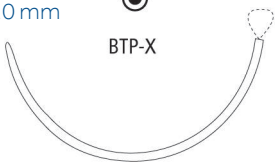
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
KV-37 LOOP 1/2 Circle 40.0 mm  KV-37	1	4	150	60	Green	12	Loop	GMM-873L
KV-40 1/2 Circle 48.0 mm  KV-40	1	4	90	36	Green	36		8886629571
KV-40 LOOP 1/2 Circle 48.0 mm  KV-40	0	3.5	150	60	Green	12	Loop	GMM-806L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



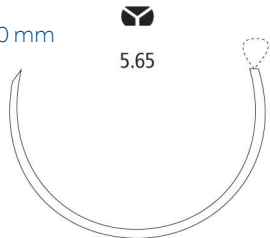


BLUNT POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
BTP-X 1/2 Circle 48.0 mm 	 BTP-X	0	3.5	5 × 45	18	Green	12	D-Tach™, ProtectPoint™	GMMT-541-MG
		1	4	5 × 45	18	Green	12	D-Tach™, ProtectPoint™	GMMT-540-MG
BTP-X LOOP 1/2 Circle 48.0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



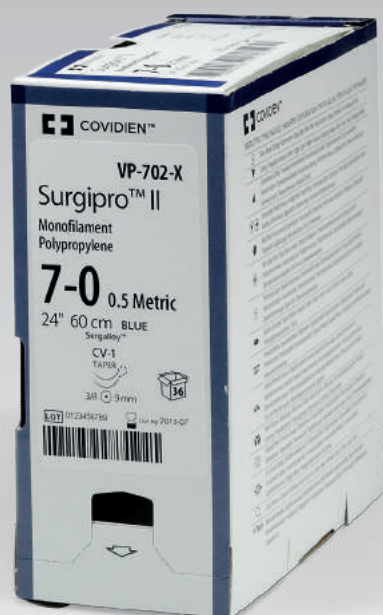
Maxon™ and Maxon™ CV



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

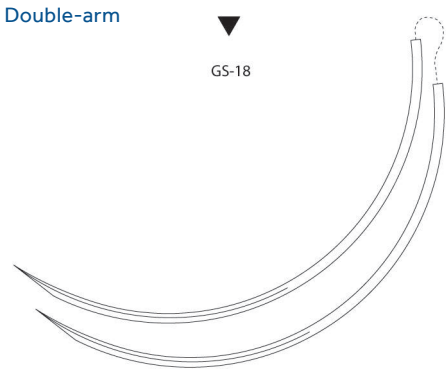
Surgipro™ / Surgipro™ II suture is a brand you have trusted for many years with several product innovations.

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 Per box	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	

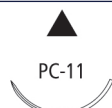
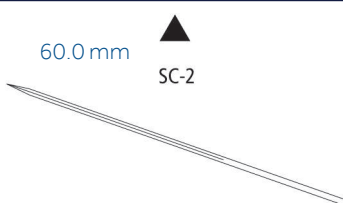




PREMIUM REVERSE CUTTING											
Needles Specifications				Size		Length		Color	Units Per box	Comments	Reorder code
				USP	EP	cm	Inches				
P-14 3/8 Circle 24.0 mm		3-0	2	45	18	Blue	12	Surgalloy™	SP-5663G		
		3-0	2	75	30	Blue	36		SP-5563		
P-22 1/2 Circle 13.0 mm		4-0	1.5	45	18	Blue	12	Surgalloy™	SP-8656G		





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	 MV-70-3	10-0	0.2	13	5	Blue	12	Surgalloy™	P-2790G	
MV-100-4 3/8 Circle 5.0 mm	 MV-100-4	10-0	0.2	13	5	Blue	12	Surgalloy™	P-2794G	
MV-100-4 3/8 Circle 5.0 mm Double-arm	 MV-100-4	10-0	0.2	5	30	Blue	12	Surgalloy™	P-2795G	
MV-135-5 3/8 Circle 6.0 mm Double-arm	 MV-135-5	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	

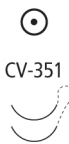




TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
MVF-135-5 3/8 Circle 6.0 mm Double-arm	 MV-135-5	8-0	0.4	2 × 60	24	Blue	12	Surgalloy™, LONG PACK	VP-209MX
MV-175-8 3/8 Circle 8.0 mm Double-arm	 MV-175-8	8-0	0.4	45	18	Blue	36	Surgalloy™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

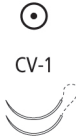




TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
CV-351 3/8 Circle 8.0 mm Double-arm	 CV-351	8-0	0.4	60	24	Blue	36	Cardiopoint™	VP-738-X
		8-0	0.4	2 × 60	24	Blue	12	Cardiopoint™, LONG PACK	VP-738-MX
		7-0	0.5	60	24	Blue	36	Cardiopoint™	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

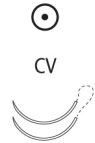




TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
CV-1 3/8 Circle 9.0 mm 	7-0	0.5	5 × 45	18	Blue	36	Surgalloy™, NUPACK™	VP-701-X		
	7-0	0.5	45	18	Blue	12	Surgalloy™, LONG PACK	VP-701-MX		
	7-0	0.5	60	24	Blue	36	Surgalloy™, NUPACK™	VP-702-X		
	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

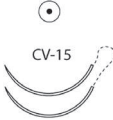
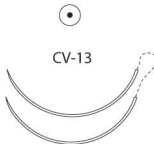
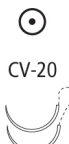




TAPER POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
CV-11 3/8 Circle 13.0 mm Double-arm	 CV-11	7-0	0.5	45	18	Blue	36	Surgalloy™, NUPACK™	VP-800-X
		7-0	0.5	60	24	Blue	36	Surgalloy™, NUPACK™	VP-727-X
		7-0	0.5	75	30	Blue	36	Surgalloy™, 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

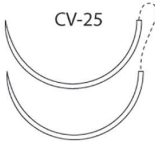
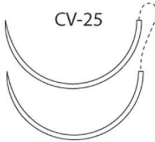




TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
CVL Cardio curve 11.0 mm Double-arm	 CVL 	7-0	0.5	2 × 60	24	Blue	12	Optivis™	VP-652-MX

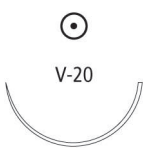
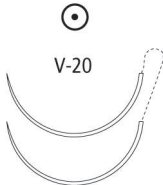




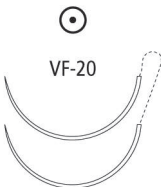
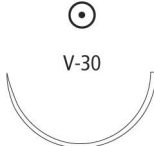
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-23 1/2 Circle 17.0 mm 		CV-23	3-0	2	75	30	Blue	36	Surgalloy™	VP-872-X
			4-0	1.5	120	48	Blue	36	Surgalloy™	X-1252
			5-0	1	75	30	Blue	36	Surgalloy™	VP-870-X
			4-0	1.5	75	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





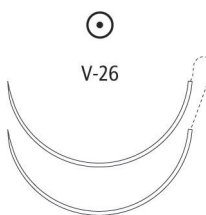
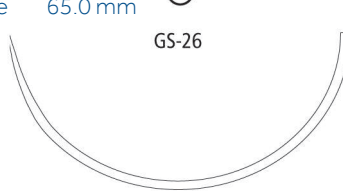
TAPER POINT									
V-20 1/2 Circle 26.0 mm		4-0	1.5	75	30	Blue	36	Surgalloy™	VP-831X
		3-0	2	75	30	Blue	36	Surgalloy™	VP-832X
		2-0	3	75	30	Blue	36	Surgalloy™	VP-833
		0	3.5	75	30	Blue	36	Surgalloy™	VP-834
V-20 1/2 Circle 26.0 mm Double-arm		5-0	1	75	30	Blue	36	Surgalloy™, NUPACK	VP-510X
		5-0	1	90	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



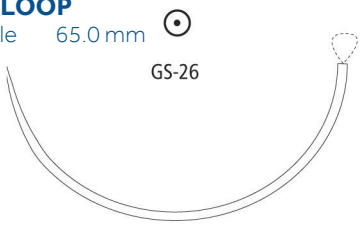
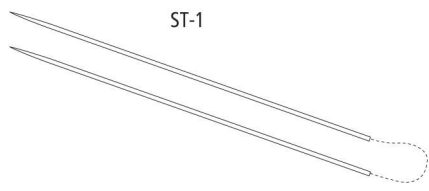
TAPER POINT											
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code	
			USP	EP	cm	Inches					
VF-20 1/2 Circle 26.0 mm		VF-20	3-0	2	45	18	Blue	36	Surgalloy™	VPF354X	
VF-20 1/2 Circle 26.0 mm Double-arm		VF-20	4-0	1.5	90	36	Blue	36	Surgalloy™	VPF-521-X	
			3-0	2	90	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

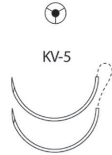
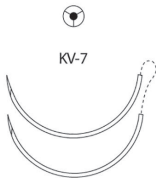




TAPERCUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
KV-1 3/8 Circle 9.0 mm Double-arm	 KV-1 	7-0	0.5	45	18	Blue	12	LONG PACK	VP-721-MX	
		7-0	0.5	60	24	Blue	36	Surgalloy™	VP-704-X	
		7-0	0.5	5 × 60	24	Blue	12	Surgalloy™, LONG 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	



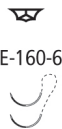


TAPERCUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
KV-15 3/8 Circle 17.0 mm		5-0	1	75	30	Blue	36	Surgalloy™, NUPACK	VP-941-X	
KV-15 3/8 Circle 17.0 mm Double-arm		5-0	1	75	30	Blue	36	Surgalloy™, NUPACK	VP-914-X	
		5-0	1	90	36	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

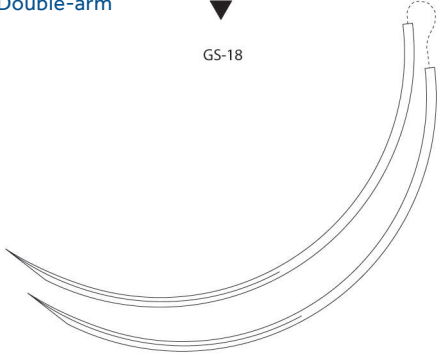


REVERSE CUTTING

Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
C-12 3/8 Circle 16.0 mm		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		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		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		2-0	3	75	30	Blue	36		88863070-51	
C-16 3/8 Circle 30.0 mm		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	



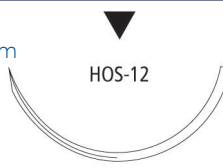
REVERSE CUTTING

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

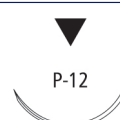




REVERSE CUTTING

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

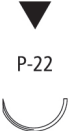
PREMIUM REVERSE CUTTING

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

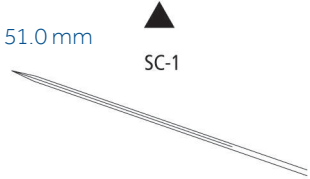
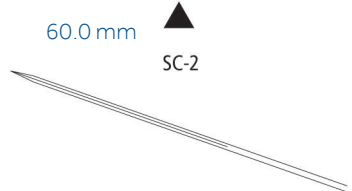
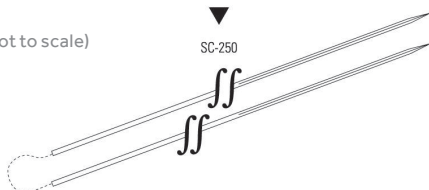




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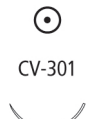
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-21 1/2 Circle 9.0 mm 	4-0	1.5	45	18	White	12		88862854-33
P-22 1/2 Circle 13.0 mm 	3-0	2	45	18	Blue	12	Surgalloy™	88863109-43
P-24 1/2 Circle 16.0 mm 	2-0	3	45	18	Blue	12	Surgalloy™	88863059-53

CONVENTIONAL CUTTING

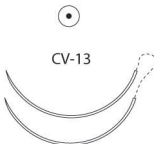
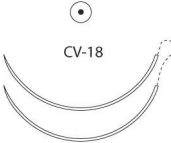
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
SCC 1/2 Circle 48.0 mm 	5	7	5×75	30	Blue	6		88863127-79
SC-1 Straight 51.0 mm 	2-0	3	75	30	Blue	36		88863163-51
	0	3.5	75	30	Blue	36		88863163-61
	1	4	75	30	Blue	36		88863163-71
SC-2 Straight 60.0 mm 	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





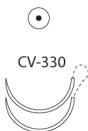
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-310 3/8 Circle 10.0 mm Double-arm			7-0	0.5	45	18	Blue	36	Cardiopoint™	88863288-01
CV-301 3/8 Circle 13.0 mm			4-0	1.5	75	30	Blue	36	Cardiopoint™	88863106-31
CV-301 3/8 Circle 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



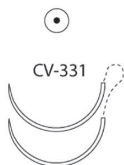
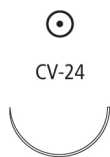
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-15 3/8 Circle 17.0 mm Double-arm		2-0	3	90	36	White	6	Surgalloy™	88862636-56	
CV-327 3/8 Circle 18.0 mm Double-arm		5-0	1	75	30	Blue	36	Cardiopoint™	88862775-21	
		4-0	1.5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

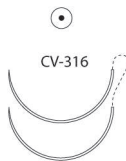


TAPER POINT											
Needles Specifications				Size		Length		Color	Units Per box	Comments	Reorder code
				USP	EP	cm	Inches				
CV-331 1/2 Circle 16.0 mm		CV-331	5-0	1	75	30	Blue	36	Cardiopoint™	88863186-21	
			4-0	1.5	75	30	Blue	36	Cardiopoint™	88863186-31	
			3-0	2	75	30	Blue	36	Cardiopoint™	88863186-41	
			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	

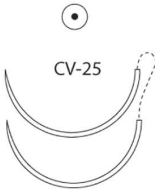




TAPER POINT

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, Cardioint™	88863348-31
	4-0	1.5	90	36	Blue	36	Cardioint™	88863369-31
	3-0	2	75	30	Blue	36	Cardioint™	88863227-41
	3-0	2	90	36	Blue	36	Cardioint™	88863369-41
	2-0	3	10×75	30	5 Blue and 5 White	6	Cardioint™	88863385-56
	2-0	3	75	30	Blue	36	Cardioint™	88863227-51
	2-0	3	75	30	Blue	36	3 mm × 7 mm FIRM, Cardioint™	88863348-51
	2-0	3	10×75	30	5 Blue and 5 White	6	3 mm × 7 mm FIRM, Cardioint™	88863323-56
	2-0	3	75	30	White	36	3 mm × 7 mm FIRM, Cardioint™	88862978-51
	2-0	3	10×75	30	5 Blue and 5 White	6	Pledgets 3 mm × 3 mm FIRM, Cardioint™	88863277-56
	2-0	3	8×75	30	4 Blue and 4 White	6	Pledgets 3 mm × 7 mm SOFT, Cardioint™	VCD-375
	2-0	3	10×75	30	Blue	6	Cardioint™	88863344-56
	2-0	3	90	36	White	36	Cardioint™	88862839-51
	2-0	3	90	36	Blue	36	Cardioint™	88863369-51

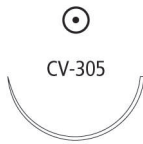
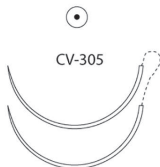


TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
GS-23 1/2 Circle 22.0 mm		GS-23	0	3.5	5×45	18	Blue	24	D-Tach™	88863257-62
CV-25 1/2 Circle 22.0 mm Double-arm		CV-25	3-0	2	90	36	Blue	36		88863370-41
			2-0	3	90	36	Blue	36	Surgalloy™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



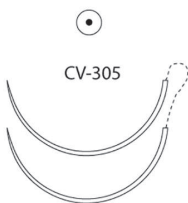
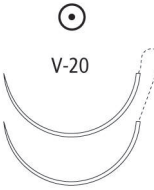


TAPER POINT

Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
CV-305 1/2 Circle 25.0 mm 		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

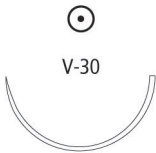
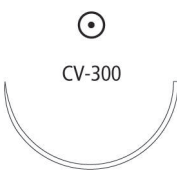
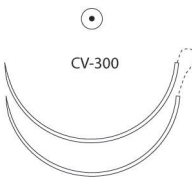
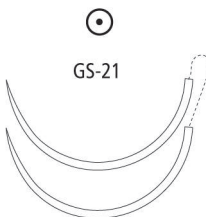




TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
CV-305 1/2 Circle 25.0 mm Double-arm		2-0	3	8×90	36	4 Blue and 4 White	6	Pledgets 3 mm × 3 mm FIRM, Cardiopoint™	88863307-56
		2-0	3	6×90	36	3 Blue and 3 White	6	Pledgets 3 mm × 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

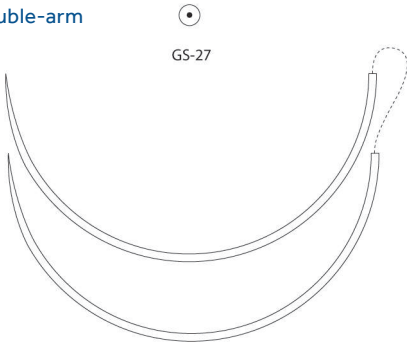
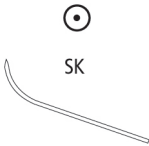
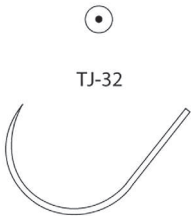




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
V-30 1/2 Circle 30.0 mm		3-0	2	75	30	Blue	36		88863205-41	
		2-0	3	75	30	Blue	36		88863205-51	
		0	3.5	75	30	Blue	36		88863205-61	
CV-300 1/2 Circle 35.0 mm		0	3.5	75	30	Blue	36	Cardiopoint™	88863082-61	
		2-0	3	75	30	Blue	36	Cardiopoint™	88863082-51	
CV-300 1/2 Circle 35.0 mm Double-arm		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		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		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 			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 			0	3.5	5×45	18	Blue	24	D-Tach™	88863386-62
HGS-22 1/2 Circle 27.0 mm 			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 			1	4	75	30	Blue	36		88863113-71
			2	5	75	30	Blue	36		88863113-81
			5	7	75	30	Blue	36		88863111-79

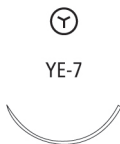




HEAVY TAPER POINT

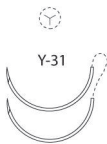
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
HGS-24 1/2 Circle 40.0 mm  HGS-24	2	5	75	30	Blue	36		88863376-81

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



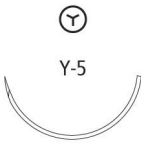
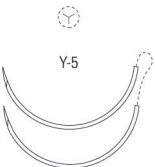


PENETRATING TAPER								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
Y-31 1/2 Circle 16.0 mm Double-arm 	4-0	1.5	8×75	30	4 Blue and 4 White	6	Pledgets 3 mm × 3 mm FIRM, Cardiopoint™	88863218-36
	4-0	1.5	90	36	Blue	36	Cardiopoint™	88863160-31
	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





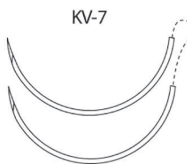
PENETRATING TAPER

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 Per box	Comments	Reorder code
			USP	EP	cm	Inches				
KV-15 3/8 Circle 17.0 mm Double-arm	 KV-15 	2-0	3	4 × 75	30	Blue	6	Surgalloy™	88863131-56	
KV-26 3/8 Circle 26.0 mm Double-arm	 KV-26 	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	 KV-5 	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	 KV-7 	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	 KV-34 	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  KV-37	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  KV-40	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.

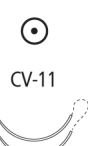
Packaging

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.

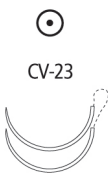
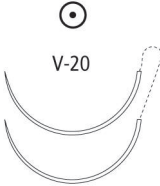
Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

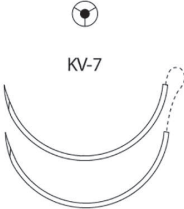
1. Baumgartner, Norbert, et al. Influence of suture technique and suture material selection on the mechanics of end-to-end and end-to-side anastomoses. J Thorac Cardiovasc Surg 1996; 111: 1063-72.
2. Rodeheaver, G., Ph. D., et al. An Innovative Absorbable Coating for the Polybutester Suture. 2005. Pg 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		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	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		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	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.

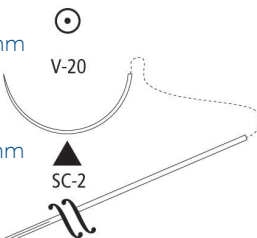
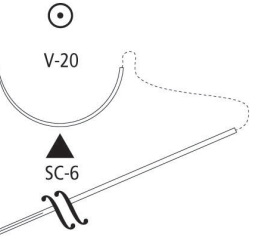
Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

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.





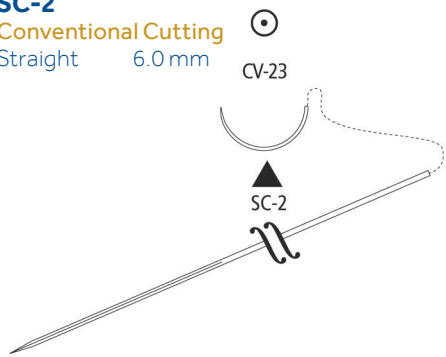
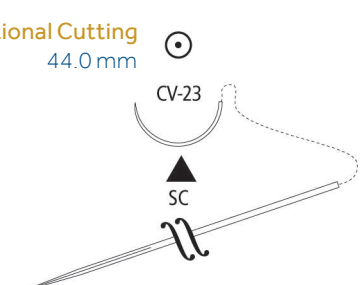
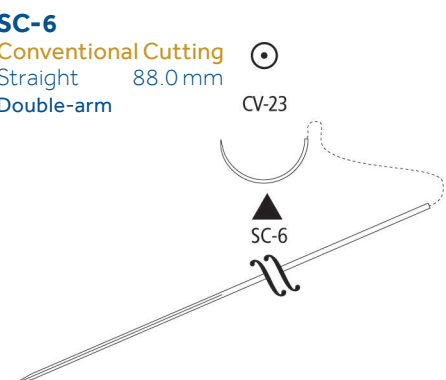
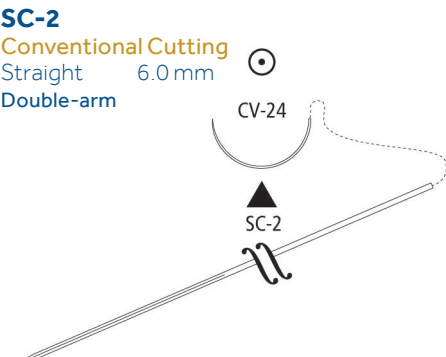
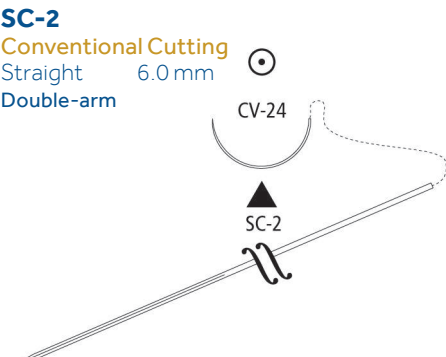
Flexon™

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
								
SC-2 Conventional Cutting Straight 6.0 mm Double-arm								
								



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.



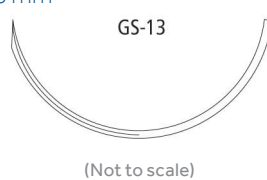
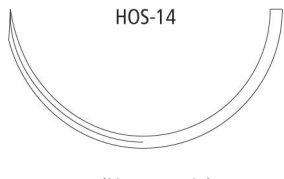


Steel

PRE-CUT

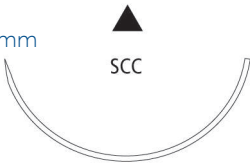
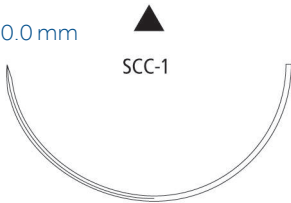
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	2-0	3	12×45	18	Undyed	12	Pre-cut	88862407-53
	0	3.5	12×45	18	Undyed	12	Pre-cut	88862407-63
	1	4	6×45	18	Undyed	12	Pre-cut	88862408-73
	2	5	6×45	18	Undyed	12	Pre-cut	88862408-83
	3-0	2	12×45	18	Undyed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





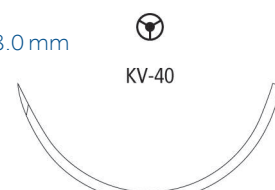
CONVENTIONAL CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
SCC 1/2 Circle 48.0 mm 	5	7	4 × 45	18	Undyed	12		88862224-89
	5	7	2 × 45	18	Undyed	12		88862222-89
	5	7	6 × 45	18	Undyed	12		88862226-89
	6	8	4 × 45	18	Undyed	12		88862224-69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

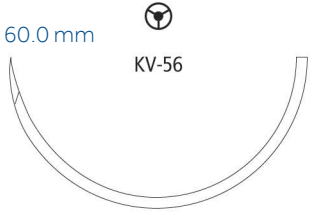
TAPERCUTTING

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

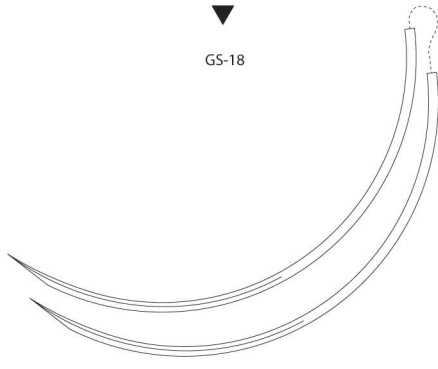




REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-14 3/8 Circle 24.0 mm 	4-0	1.5	45	18	Black	36		SN-658
	4-0	1.5	45	18	Blue	36		88861744-31
	4-0	1.5	75	30	Blue	36		88861799-31
	4-0	1.5	90	36	Black	36		SN-649
	3-0	2	45	18	Black	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	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





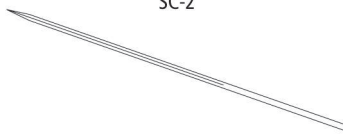
PREMIUM REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
P-14 3/8 Circle 24.0 mm 	4-0	1.5	45	18	Black	12	Surgalloy™	SN-5862G		
	3-0	2	45	18	Black	12	Surgalloy™	SN-5663G		
	3-0	2	45	18	Black	36	Surgalloy™	SN-5663		
	3-0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





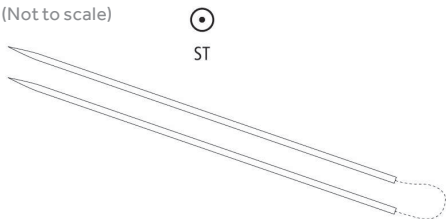
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
MV-50-3 3/8 Circle 4.0 mm  MV-50-3 			11-0	0.1	13	5	Black	12	Surgalloy™	N-2500
MV-70-3 3/8 Circle 4.0 mm  MV-70-3 			11-0	0.1	13	5	Black	12	Surgalloy™	N-2510
			10-0	0.2	13	5	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 	0	3.5	100	40	Black	36		CN-225	
GS-24 1/2 Circle 40.0 mm 	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 	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

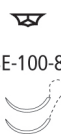
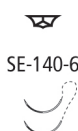
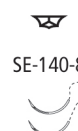
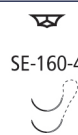
TAPERCUTTING

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 Per box	Comments	Reorder code
			USP	EP	cm	Inches				
SE-100-8 1/4 Circle 6.3 mm Double-arm		8-0	0.4	30	12	Black	12	Surgalloy™	N-2714K	
SS-24 1/4 Circle 8.6 mm Double-arm		5-0	1	45	18	Black	12	Surgalloy™	N-2781K	
SE-140-6 3/8 Circle 6.3 mm		10-0	0.2	20	8	Black	12	Surgalloy™	N-2730-K	
SE-140-6 3/8 Circle 6.3 mm Double-arm		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		10-0	0.2	20	8	Black	12	Surgalloy™	N-2736K	
SE-140-8 3/8 Circle 6.3 mm Double-arm		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		10-0	0.2	30	12	Black	12	Surgalloy™	N-2799-K	
SE-160-4 1/2 Circle 5.5 mm Double-arm		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.

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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	



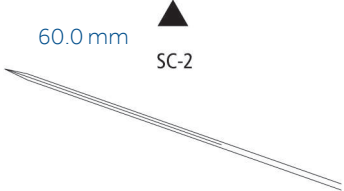


PREMIUM REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches		Per box		
P-12 3/8 Circle 19.0 mm		5-0	1	45	18	Blue	12	Surgalloy™	SPB-1623G	
		4-0	1.5	45	18	Blue	12	Surgalloy™	SPB-5633G	
		4-0	1.5	75	30	Blue	36	Surgalloy™	8886442531	
		3-0	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	

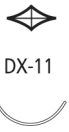




CONVENTIONAL CUTTING

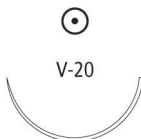
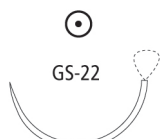
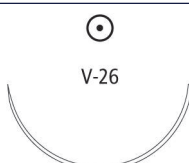
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
PC-12 3/8 Circle 19.0 mm 	5-0	1	45	18	Blue	12		SPB-1945G
SC-2 Straight 60.0 mm 	3-0	2	75	30	Blue	36		88864490-41
	2-0	3	75	30	Blue	36		88864490-51

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 	6-0	0.7	45	18	Blue	12	DermaX	XNF-697
DX-16 3/8 Circle 16.0 mm 	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 	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

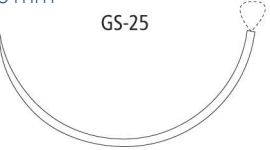




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
V-20 1/2 Circle 26.0 mm 			3-0	2	75	30	Blue	36	Surgalloy™	8886445241
			2-0	3	75	30	Blue	36	Surgalloy™	8886445251
			0	3.5	75	30	Blue	36	Surgalloy™	8886445261
GS-22 1/2 Circle 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





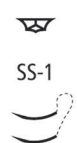
TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-25 1/2 Circle 48.0 mm (Not to scale)  GS-25	2	5	75	30	Blue	36		88864465-81
	1	4	5×45	18	Blue	12	D-Tach™	88864464-73
	1	4	75	30	Blue	36		88864465-71
GS-25 LOOP 1/2 Circle 48.0 mm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



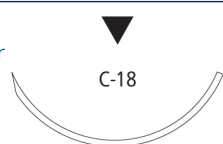
PRE-CUT

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		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		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		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		1	4	75	30	Black	36		88861922-71	
GS-10 1/2 Circle 26.0 mm		2-0	3	75	30	Black	36		88861932-51	



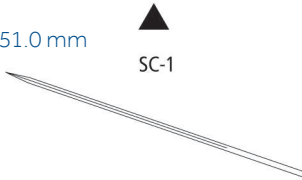
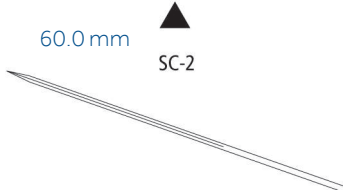
REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
HOS-10 1/2 Circle 26.0 mm 	1	4	75	30	Black	36		88861896-71	
GS-11 1/2 Circle 37.0 mm 	0	3.5	75	30	Black	36		88861915-61	
	1	4	75	30	Black	36		88861915-71	
HOS-12 1/2 Circle 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	

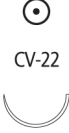




CONVENTIONAL CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
SC-1 Straight 51.0 mm 	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 	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 	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 	4-0	1.5	5 × 45	18	Black	24	D-Tach™	88861957-32
CV-23 1/2 Circle 17.0 mm 	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



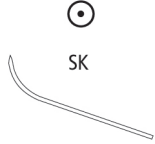


TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches		Per box		
CV-24 1/2 Circle 20.0 mm			4-0	1.5	5 × 45	18	Black	24	D-Tach™	88861989-32
			3-0	2	5 × 45	18	Black	24	D-Tach™	88861989-42
GS-23 1/2 Circle 22.0 mm			0	3.5	5 × 45	18	Black	24	D-Tach™	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-NEEDED-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	Comments	Reorder code
			USP	EP	cm	Inches		Per box		
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	





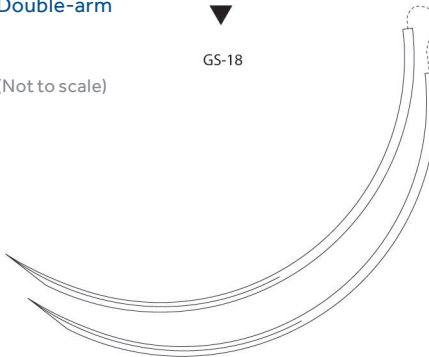
REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-12 3/8 Circle 16.0 mm 	6-0	0.7	45	18	Black	36		SS-681
	5-0	1	75	30	Black	36		SS-673
	4-0	1.5	45	18	Black	12		SS-686
	4-0	1.5	75	30	Black	36		SS-645
	3-0	2	75	30	Black	36		SS-745
	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 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		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 Per box	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	

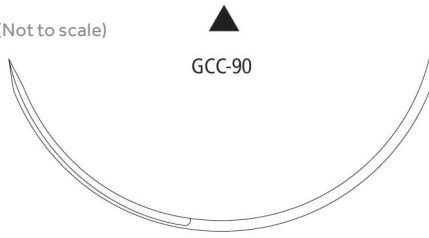
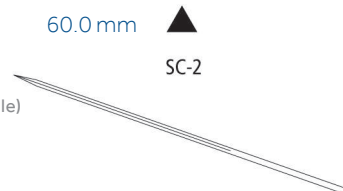


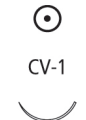


PREMIUM REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
P-10 3/8 Circle 11.0 mm		6-0	0.7	45	18	Black	36	Surgalloy™	SS-5639	
		6-0	0.7	45	18	Black	12	Surgalloy™	SS-1639G	
P-13 3/8 Circle 13.0 mm		6-0	0.7	45	18	Black	12	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	



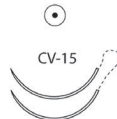


CONVENTIONAL CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
GCC-90 3/8 Circle 90.0 mm (Not to scale) 	2-0	3	100	40	Black	36		CS-791	
	0	3.5	100	40	Black	36		CS-792	
	1	4	100	40	Black	36		CS-793	
	2	5	100	40	Black	36		CS-794	
SC-1 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	





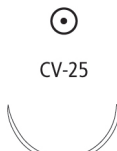
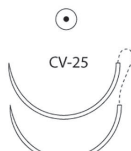
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-11 3/8 Circle 13.0 mm		CV-11	6-0	0.7	75	30	Black	36	Surgalloy™	VS-889
			5-0	1	75	30	Black	36	Surgalloy™	VS-890
			4-0	1.5	75	30	Black	36	Surgalloy™	VS-891
CV-11 3/8 Circle 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



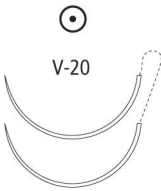
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CVF-21 1/2 Circle 12.0 mm	 CVF-21	5-0	1	45	18	Black	36	Surgalloy™	CS-210	
		4-0	1.5	45	18	Black	36	Surgalloy™	CS-211	
CV-22 1/2 Circle 13.0 mm	 CV-22	4-0	1.5	5 × 45	18	Black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





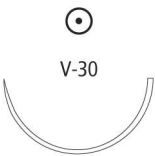
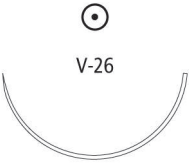
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-23 1/2 Circle 17.0 mm		5-0	1	75	30	Black	36	Surgalloy™	VS-870	
		4-0	1.5	75	30	Black	36	Surgalloy™	VS-871	
		3-0	2	5 × 45	18	Black	24	D-Tach™	GS-47-M	
		3-0	2	75	30	Black	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		HGS-23	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		HGS-22	0	3.5	5 × 45	18	Black	24	D-Tach™	CS-85-M
HGS-20 1/2 Circle 34mm		HGS-20	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		KV-5	3-0	2	75	30	Black	36	Surgalloy™	VS-863
KV-7 1/2 Circle 26.0 mm		KV-7	2-0	3	75	30	Black	36	Surgalloy™	VS-964
KV-34 1/2 Circle 37.0 mm		KV-34	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		8-0	0.4	45	18	Black	12	Surgalloy™	S-2176K
SS-14 1/4 Circle 8.6 mm Double-arm		6-0	0.7	45	18	Black	12	Surgalloy™	S-1780K
SS-24 1/4 Circle 8.6 mm Double-arm		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		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

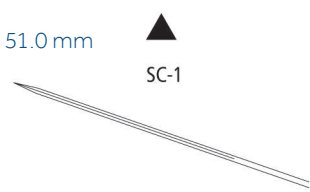
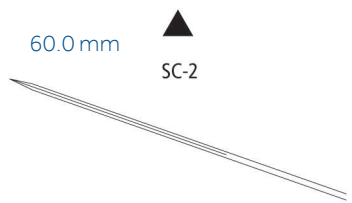
V-Loc™ 90 Absorbable

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	Reorder code
				USP	EP	cm	Inches				
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	

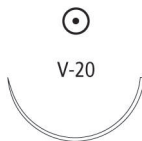


PREMIUM REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-14 3/8 Circle 24.0 mm 	4-0	1.5	30	12	Undyed	12	Surgalloy™	VLOCM0113
	4-0	1.5	45	18	Undyed	12	Surgalloy™	VLOCM0123
	4-0	1.5	58	23	Undyed	12	Surgalloy™	VLOCM0133
	3-0	2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

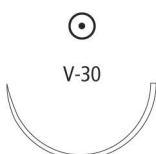




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-15 3/8 Circle 17.0 mm		4-0	1.5	15	6	Violet	12		VLOCM1203	
		3-0	2	15	6	Violet	12	Surgalloy™	VLOCM1204	
CV-23 1/2 Circle 17.0 mm		4-0	1.5	23	9		12		VLOCM0843	
		4-0	1.5	30	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		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

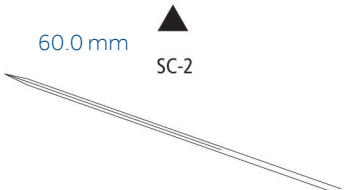
V-Loc™ 180 wound closure device is a uni-directional long-term absorbable knotless barbed suture.

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	

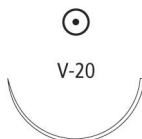
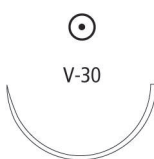


PREMIUM REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-14 3/8 Circle 24.0 mm 	4-0	1.5	45	18	Clear	12	Surgalloy™	VLOCL0123
	4-0	1.5	58	23	Clear	12	Surgalloy™	VLOCL0133
	3-0	2	30	12	Clear	12		VLOCL0114
	3-0	2	45	18	Clear	12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

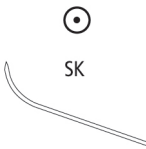
TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
CV-23 1/2 Circle 17.0 mm 	4-0	1.5	15	6	Green	12		VLOCL0803
	4-0	1.5	30	12	Green	12	Surgalloy™	VLOCL0813
	3-0	2	15	6	Green	12		VLOCL0804
	3-0	2	15	6	Steel	12		VLOCL1904
	3-0	2	23	9	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				
SK SKI	23.0 mm		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.

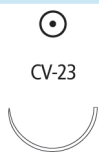
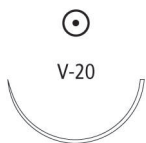
* When compared with previous generation

† 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 Per box	Comments	Reorder code
			USP	EP	cm	Inches				
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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17-rcegi-sutures-catalogue-em-1955361



SURGICAL HEART THERAPIES PRODUCT CATALOG

- Heart Valves
- Surgical Ablation
- Revascularization

INTERNATIONAL

CAUTION: For distribution only in markets where the products have been approved.

Medtronic
Further, Together

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Freestyle™

Aortic Root Bioprosthesis

A stentless valve that is naturally designed to maximize flow, particularly for young patients.

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HEART VALVES

SURGICAL ABLATION

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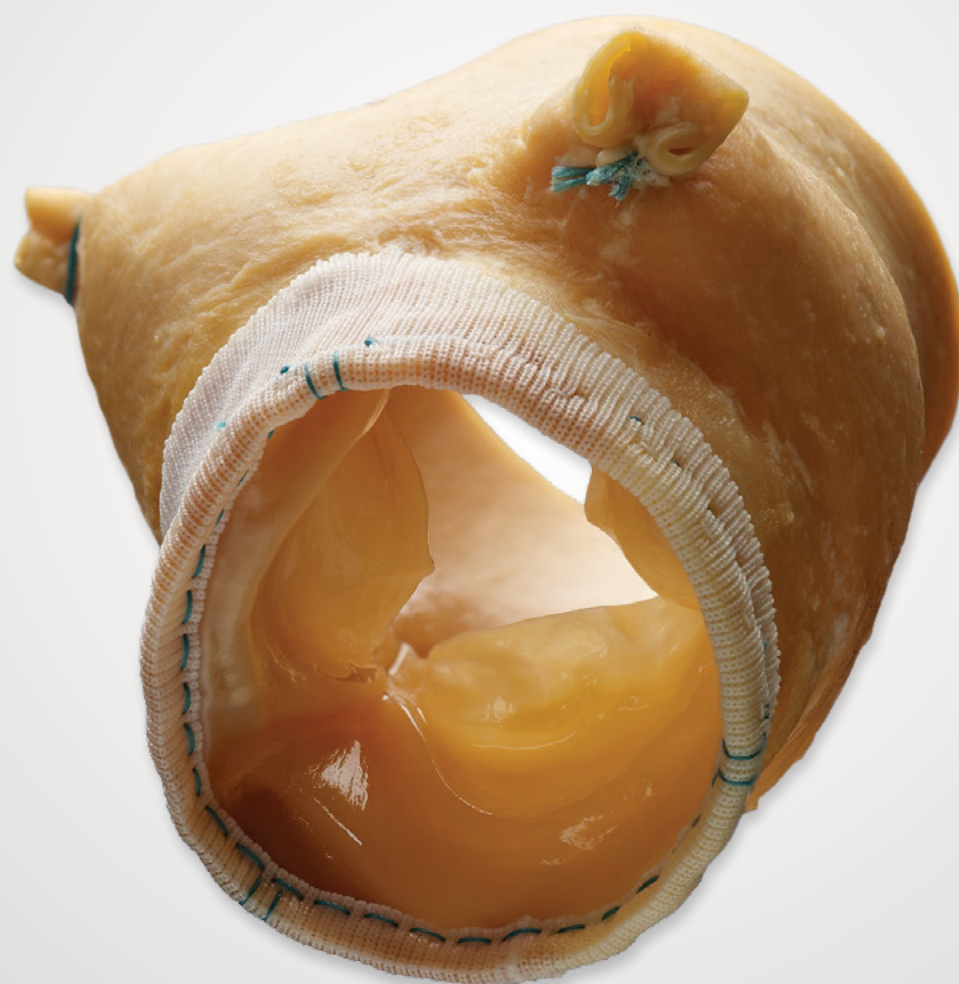
Superior Hemodynamics^{1,2,3}

Intelligently Designed

- Functions like a native valve with low gradients and laminar flow¹
- Absence of stent and sewing ring leaves more room for blood to flow through the valve; improves postoperative coronary flow more than a stented bioprosthesis^{2,3}

Maximum Flow

- Designed to function like a native valve with physiologic hemodynamics
- Excellent mean pressure gradients and EOAs out to 10 years⁴
- Strong clinical outcomes and excellent durability at 15 years⁴



References

1. Westaby S., et al. Valve replacement with a stentless bioprosthesis: Versatility of the porcine aortic root. *J Thorac Cardiovasc Surg* 1998;116:477-84.
2. Bakhtiary F, et al. Stentless bioprostheses improve postoperative coronary flow more than stented prostheses after valve replacement for aortic stenosis. *J Thorac Cardiovasc Surg* 2006;131:883-8.
3. Silberman S, et al. Exercise hemodynamics of aortic prostheses: Comparison between stentless bioprostheses and mechanical valves. *Ann Thorac Surg* 2001;72:1217-21.
4. Freestyle Aortic Root Bioprosthesis 15-year clinical compendium 2012 ©Medtronic.



Freestyle™

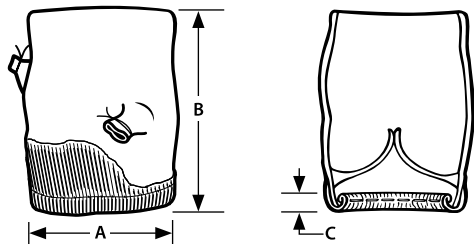
Aortic Root Bioprosthesis

A stentless valve that is naturally designed to maximize flow, particularly for young patients.

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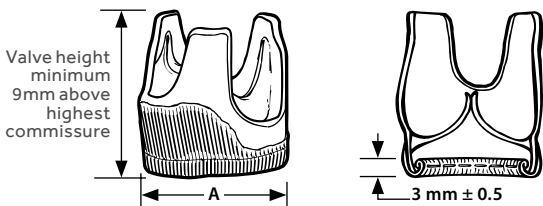
Freestyle Full Root Bioprosthesis

Order Number	Size (mm)	A Outside Diameter	B Profile Height	C Inner Cloth Height
		(± 0.2mm)	(± 2mm)	(±0.5mm)
FR99519	19	19.0	30	3.0
FR99521	21	21.0	32	3.0
FR99523	23	23.0	32	3.0
FR99525	25	25.0	34	3.0
FR99527	27	27.0	34	3.0
FR99529	29	29.0	39±0.3	3.0



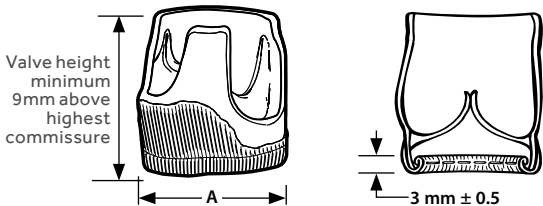
Prestyled Freestyle Complete Subcoronary Bioprosthesis

Order Number	Size (mm)	A Outside Diameter
		(+0.5mm - 0.0mm)
995CS19	19	19.0
995CS21	21	21.0
995CS23	23	23.0
995CS25	25	25.0
995CS27	27	27.0
995CS29	29	29.0



Prestyled Freestyle Modified Subcoronary Bioprosthesis

Order Number	Size (mm)	A Outside Diameter
		(+0.5mm - 0.0mm)
995MS19	19	19.0
995MS21	21	21.0
995MS23	23	23.0
995MS25	25	25.0
995MS27	27	27.0
995MS29	29	29.0



Freestyle Valve Accessories

Order Number	Description
T7625FR	Freestyle Accessory Tray
7639	Handle (234mm length) pliant, without locknut to be used with Freestyle bioprosthesis
7639XL	Handle (368mm length) pliant, without locknut to be used with Freestyle bioprosthesis
7990SET	Freestyle Obturator Set (no handles)

Hancock™ II

Bioprosthetic Valve

The valve that has stood the test of time to make outcomes as predictable as procedures.

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The Standard For Reliability and Consistency

- Proven durability in all patients, especially those ≥60 years of age^{1,2}
- Highly studied surgical valve delivering strong results and consistent outcomes from multiple centers^{1,3}
- More than 97% freedom from SVD after 20 years for patients ≥65 years of age¹
- Radiopaque for future valve-in-valve procedures
- Optimal performance and value



References

1. David T, et al. Hancock II Bioprosthesis for aortic valve replacement: The gold standard of bioprosthetic valves durability. *Ann Thorac Surg* 2010;90: 775-81.
2. Borger M, et al. Twenty year results of the Hancock II bioprosthesis. *Journal of Heart Valve Disease*. January 2006;15:49-56.
3. Valfre C, et al. The fate of Hancock II porcine valve recipients 25 years after implant. *European Journal of Cardio-Thoracic Surgery*. 2010;28:141-6.



Hancock™ II

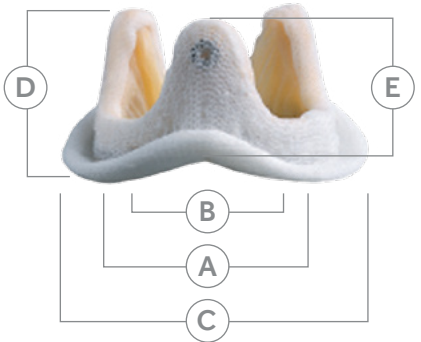
Bioprosthetic Valve

The valve that has stood the test of time to make outcomes as predictable as procedures.

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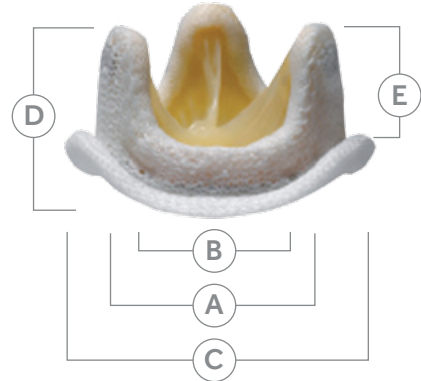
Hancock II Aortic Heart Valve

Order Number	A Valve Size (Stent O.D.†)	B Orifice Diameter (Stent I.D.)	C Suture Ring Diameter	D Valve Height	E Aortic Protrusion
	(±0.5mm)	(±0.5mm)	(±1mm)	(±0.5mm)	(±0.5mm)
T505C221	21	18.5	27.0	15.0	12.0
T505C223	23	20.5	30.0	16.0	13.5
T505C225	25	22.5	33.0	17.5	15.0
T505C227	27	24.0	36.0	18.5	15.5
T505C229	29	26.0	39.0	20.0	16.0



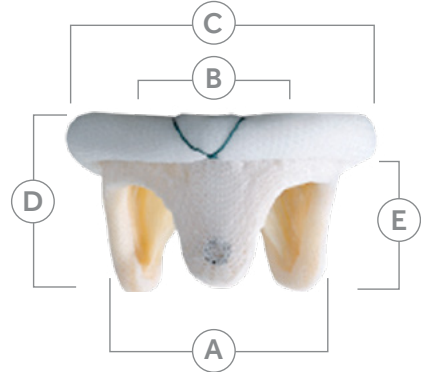
Hancock II Ultra™ Aortic Heart Valve

Order Number	A Valve Size (Stent O.D.†)	B Orifice Diameter (Stent I.D.)	C Suture Ring Diameter	D Valve Height	E Aortic Protrusion
	(±0.5mm)	(±0.5mm)	(±1mm)	(±0.5mm)	(±0.5mm)
T505U221	21	18.5	26.0	15.0	12.0
T505U223	23	20.5	28.0	16.0	13.5
T505U225	25	22.5	30.0	17.5	15.0
T505U227	27	24.0	32.0	18.5	15.5
T505U229	29	26.0	34.0	20.0	16.0



Hancock II Mitral Heart Valve

Order Number	Valve Size (Stent O.D.†) A	Orifice Diameter (Stent I.D.) B	Suture Ring Diameter C	Valve Height D	Ventricular Protrusion E
	(±0.5mm)	(±0.5mm)	(±1mm)	(±0.5mm)	(±0.5mm)
T510C25	25	22.5	33.0	18.0	13.5
T510C27	27	24.0	35.0	19.0	14.0
T510C29	29	26.0	38.0	20.5	15.5
T510C31	31	28.0	41.0	22.0	17.0
T510C33	33	30.0	43.0	23.0	17.5



Hancock II Tissue Valve Accessories

Order Number	Description
T7610HKA	Tray, Accessory, Hancock II, Aortic
T7610HKM	Tray, Accessory, Hancock II, Mitral
T7505UX	Tray, Accessory, Hancock II Ultra, Supra-X Aortic Sizer Set
7505UX	Hancock II Ultra, Supra-X Aortic Sizer Set
7639	Handle (234mm length) pliant, without locknut handle to be used with Hancock II, Hancock II ULTRA prostheses
7639XL	Handle (368mm length) pliant, without locknut handle to be used with Hancock II, Hancock II ULTRA prostheses
7505SET	Hancock II Aortic Obturator Set (no handles, no tray)
7510SET	Hancock II Mitral Obturator Set (no handles, no tray)

† Equivalent to annulus diameter

Mosaic™ Bioprosthesis

A versatile platform designed to easily facilitate aortic or mitral valve replacement in open or minimally invasive procedures.

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Undeniably Durable

- Designed to facilitate aortic and mitral valve replacement in open or minimally invasive procedures
- 80% freedom from explant due to SVD at 16 years in the mitral position¹
- 81% freedom from explant due to SVD at 17 years in the aortic position²



References

1. Medtronic Mosaic Mitral Bioprosthesis 16-year Clinical Compendium. ©2016 Medtronic.
2. Medtronic Mosaic Aortic Bioprosthesis 17-year Clinical Compendium. ©2016 Medtronic.

Mosaic™

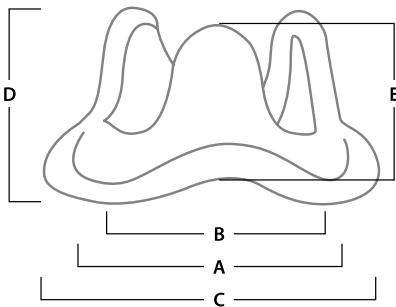
Bioprosthesis

A versatile platform designed to easily facilitate aortic or mitral valve replacement in open or minimally invasive procedures.

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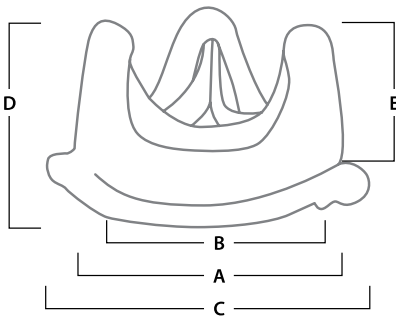
Mosaic Aortic Valve, Model 305

Order Number	A Valve Size (Stent O.D.†)	B Orifice Diameter (Stent I.D.)	C Suture Ring Diameter	D Valve Height	E Aortic Protrusion
	(±0.5mm)	(±0.5mm)	(±1mm)	(±0.5mm)	(±0.5mm)
305C219	19	17.5	25.0	13.5	11.0
305C221	21	18.5	27.0	15.0	12.0
305C223	23	20.5	30.0	16.0	13.5
305C225	25	22.0	33.0	17.5	15.0
305C227	27	24.0	36.0	18.5	15.5
305C229	29	26.0	39.0	20.0	16.0



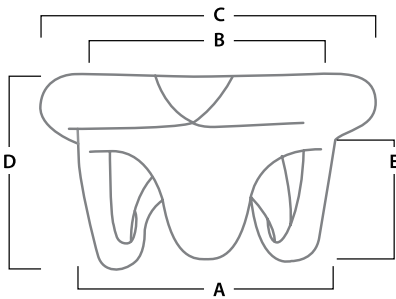
Mosaic Ultra Aortic Valve, Model 305

Order Number	A Valve Size (Stent O.D.†)	B Orifice Diameter (Stent I.D.)	C Suture Ring Diameter	D Valve Height	E Ventricular Protrusion
	(±0.5mm)	(±0.5mm)	(±1mm)	(±0.5mm)	(±0.5mm)
305U219	19	17.5	24.0	13.5	11.0
305U221	21	18.5	26.0	15.0	12.0
305U223	23	20.5	28.0	16.0	13.5
305U225	25	22.5	30.0	17.5	15.0
305U227	27	24.0	32.0	18.5	15.5
305U229	29	26.0	34.0	20.0	16.0



Mosaic Mitral Valve, Model 310

Order Number	A Valve Size (Stent O.D.†)	B Orifice Diameter (Stent I.D.)	C Suture Ring Diameter	D Valve Height	E Ventricular Protrusion
	(±0.5mm)	(±0.5mm)	(±1mm)	(±0.5mm)	(±0.5mm)
310C25	25	22.5	33.0	18.0	13.5
310C27	27	24.0	35.0	19.0	14.0
310C29	29	26.0	38.0	20.5	15.5
310C31	31	28.0	41.0	22.0	17.0
310C33	33	30.0	43.0	23.0	17.5



Mosaic Bioprosthesis Accessories

Order Number	Description
T7308C	Mosaic Aortic Sizers
T7615MSM	Tray, Accessory, Mosaic, Mitral
T7308U	Tray, Accessory, Mosaic Ultra Aortic
7308U	Mosaic Ultra Aortic Sizers
7639	Handle (234mm length) pliant, without locknut to be used with Mosaic or Mosaic Ultra prostheses
7639XL	Handle (368mm length) pliant, without locknut to be used with Mosaic or Mosaic Ultra prostheses
7308C	Mosaic Aortic Sizer Set (no handles, no tray)
7310	Mosaic Mitral Obturator Set (no handles, no tray)

† Equivalent to annulus diameter

Medtronic Open Pivot™ Mechanical Heart Valves

Optimal performance with excellent quality of life benefits.

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Fundamentally Different Design

- Unique axis of suspension results in leaflet movement responsive to physiological demands
- Gentle, passive washing ensures complete washing of the pivot in both open and closed positions

Quiet

- Most patients cannot hear the sound of their valve after implantation¹
- Low levels of hemolysis and thromboembolic events^{2,3}
- Orifice design and unique leaflet movement result in excellent EOAs, even in small sizes^{4,5}



References

1. Sezai A, et al. Evaluation of valve sound and its effects on ATS prosthetic valves in patients' quality of life. *Ann Thorac Surg*. 2000;69:507-12.
2. Shiono M, et al. Multi-institutional experience of the ATS open pivot bileaflet valve in Japan. *Ann Thorac Cardiovasc Surg*. 1996;2(1):51-8.
3. Sezai A, et al. Fifteen years of experience with ATS mechanical heart valve prostheses. *J Thorac Cardiovasc Surg*. 2010;139(6):1494-500.
4. ATS Medical Inc. Pre-market Approval Application - Summary of Safety and Effectiveness: 2000. Washington DC: U.S. Food and Drug Administration. 2000:P990046.
5. Feng Z, et al. In vitro hydrodynamic characteristics among three bileaflet valves in the mitral position. *Artif Organs*. 2000;24(5):346-54.



Open Pivot Standard

Intra-annular valve with generous, compliant cuff for exceptional implantability



Open Pivot AP

Supra-annular compact cuff configuration for excellent suturability and conformability



Open Pivot AP360

Supra-annular flanged cuff configuration for maximum flexibility, needle penetration and conformability

Medtronic Open Pivot™ Mechanical Heart Valves

Optimal performance with excellent quality of life benefits.

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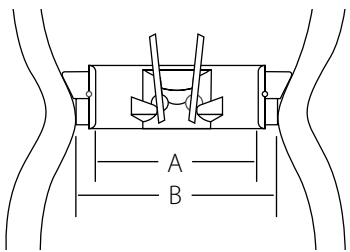
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Open Pivot Standard Heart Valve Aortic

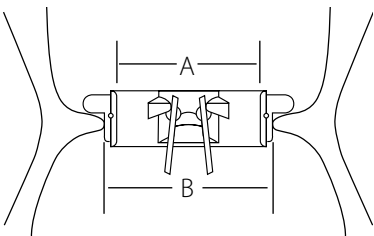
Order Number	Valve Size (mm)	A Orifice Inner Diameter (mm)	B Tissue Annulus (mm)	Geometric Orifice Area (cm ²)
500FA19	19	14.8	19.5	1.55
500FA21	21	16.8	21.5	2.02
500FA23	23	18.8	23.5	2.56
500FA25	25	20.8	25.5	3.17
500FA27	27	22.8	27.5	3.84
500FA29	29	24.8	29.5	4.59
500FA31	31	26.8	31.5	5.35



Standard Aortic

Open Pivot Standard Heart Valve Mitral

Order Number	Valve Size (mm)	A Orifice Inner Diameter (mm)	B Tissue Annulus (mm)	Geometric Orifice Area (cm ²)
500DM19	19	14.8	19.5	1.55
500DM21	21	16.8	21.5	2.02
500DM23	23	18.8	23.5	2.56
500DM25	25	20.8	25.5	3.17
500DM27	27	22.8	27.5	3.84
500DM29	29	24.8	29.5	4.59
500DM31	31	26.8	31.5	5.35
500DM33	33	26.8	33.5	5.35



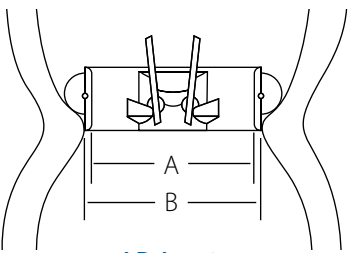
Standard Mitral

Open Pivot Accessories

Order Number	Description
576	OPHV Sizer Set, (Std, AP series, Handle, Tray)
556	OPHV Aortic and Mitral Handle Rotator Set
558	OPHV Leaflet Actuators (Non-sterile bag of 5)
569	OPHV Bendable Handle
577	OPHV Standard Sizer Set (just sizers)
578	OPHV AP Series Sizer Set (just sizers)
579	OPHV Sizer Sterilization Tray (tray only)
580	OPHV Screw-on Mitral Rotator End Set

Open Pivot AP and AP360° Heart Valves Aortic

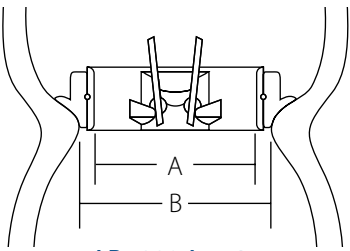
Order Number	Valve Size (mm)	A Orifice Inner Diameter (mm)	B Tissue Annulus (mm)	Geometric Orifice Area (cm ²)
501DA16/505DA16	16	14.8	16.2	1.55
501DA18/505DA18	18	16.8	18.2	2.02
501DA20/505DA20	20	18.8	20.2	2.56
501DA22/505DA22	22	20.8	22.2	3.17
501DA24/505DA24	24	22.8	24.2	3.84
501DA26/505DA26	26	24.8	26.2	4.59
501DA28/505DA28	28	26.8	28.2	5.35



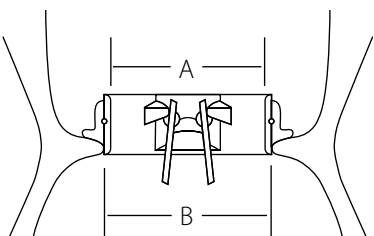
AP Aortic

Open Pivot AP360° Heart Valves Mitral

Order Number	Valve Size (mm)	A Orifice Inner Diameter (mm)	B Tissue Annulus (mm)	Geometric Orifice Area (cm ²)
501DM16	16	14.8	16.2	1.55
501DM18	18	16.8	18.2	2.02
501DM20	20	18.8	20.2	2.56
501DM22	22	20.8	22.2	3.17
501DM24	24	22.8	24.2	3.84
501DM26	26	24.8	26.2	4.59
501DM28	28	26.8	28.2	5.35



AP360° Aortic



AP360° Mitral



Contegra™

Pulmonary Valve Conduit

An integrated valved conduit for reconstruction or replacement of the natural right ventricular outflow tract (RVOT) or replacement of a failed homograft or composite pulmonary conduit.

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Natural

- Derived from a bovine jugular vein
- Flexible for unique tailoring as only natural tissue can offer
- Blood passes easily across a continuous tissue interface and natural sinus

Versatile

- Proximal length allows for infundibular shaping without patching
- Resilient wall retains suture and supports hemostatic suture line
- No additional materials necessary for proximal anastomosis

Convenient

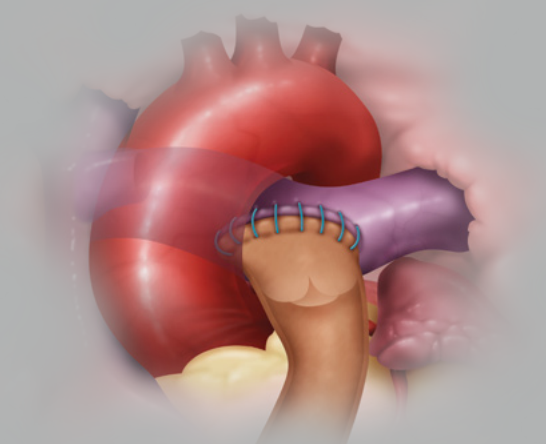
- Available in supported and unsupported models
- Preserved in buffered glutaraldehyde
- Readily available—no thawing or preclotting required



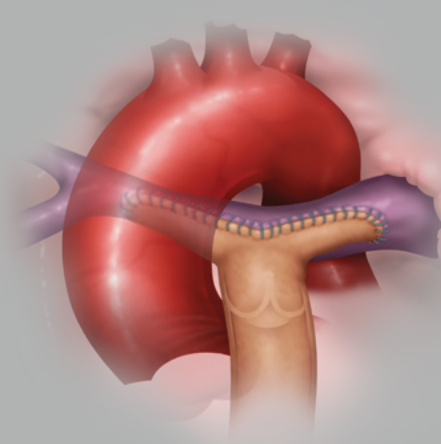
No discontinuity between the lumen and valve



Thin, compliant leaflets open fully and close readily with minimal pressure



Thin, extensible tissue is especially suited for anastomosis



Easily customized to individual needs

Contegra™

Pulmonary Valve Conduit

An integrated valved conduit for reconstruction or replacement of the natural right ventricular outflow tract (RVOT) or replacement of a failed homograft or composite pulmonary conduit.

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Contegra Pulmonary Valve Conduit - Supported

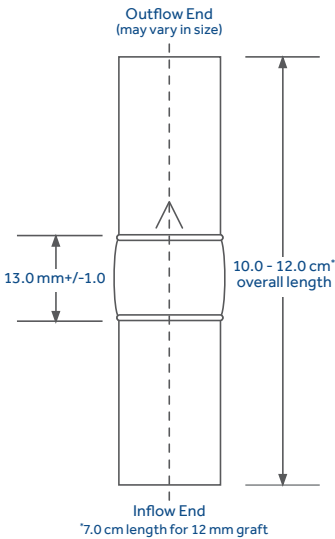
Order Number	Internal Diameter (Inflow End) (mm)
200SH12	12
200SH14	14
200SH16	16
200SH18	18

Model 01-0055 Torque Wrench (optional reusable jar opener)

Storage Temperature

+15 °C
+59 °F

+25 °C
+77 °F



Contegra Pulmonary Valve Conduit - Unsupported

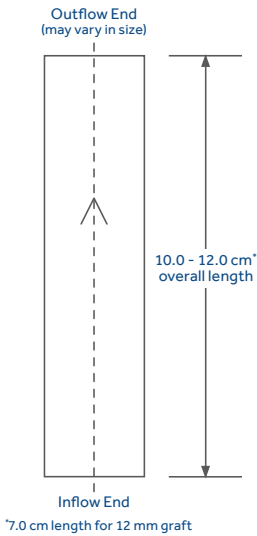
Order Number	Internal Diameter (Inflow End) (mm)
200H12	12
200H14	14
200H16	16
200H18	18

Model 01-0055 Torque Wrench (optional reusable jar opener)

Storage Temperature

+15 °C
+59 °F

+25 °C
+77 °F



Hancock™

Bioprosthetic Valved Conduit

With options for right and left heart applications.

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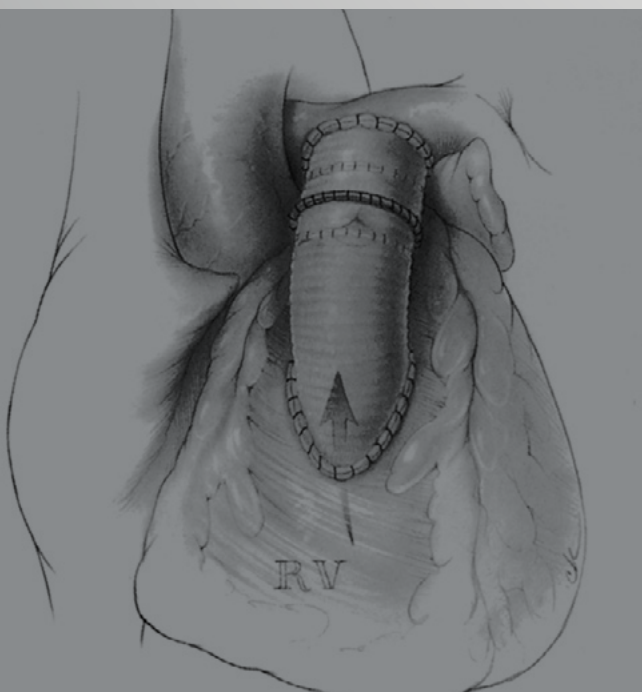
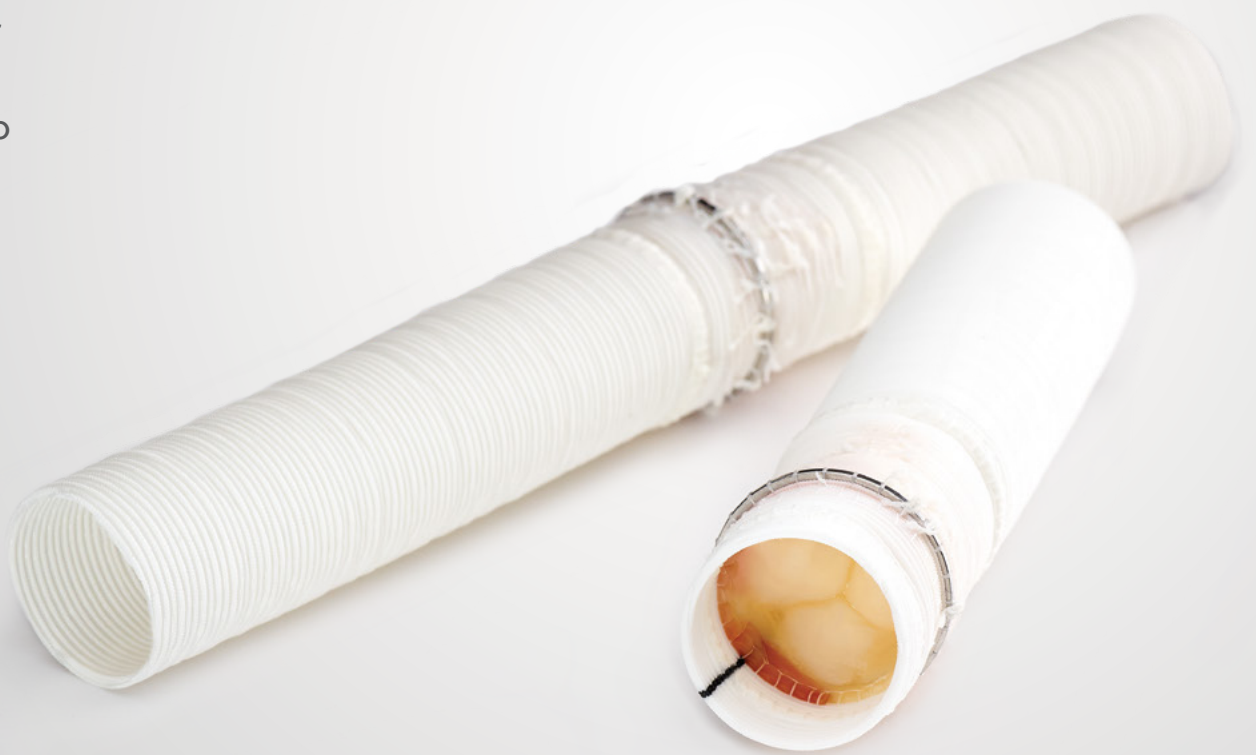
REVASCULARIZATION

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A Proven Alternative

Hancock valved conduits offer proven performance for reconstruction of congenital or acquired cardiac and great vessel malformations or pathologies for right heart applications.

- Porcine aortic valve sutured into a Dacron woven fabric conduit
- Stentless—optimizes the ratio of the conduit outer diameter to the inner diameter
- An external reinforcing ring at the valve annulus supports leaflet coaptation and allows radiographic visualization



HancockTM

Bioprosthetic Valved Conduit

With options for right and left heart applications.

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Model 150 | Hancock Modified Oriface Bioprosthetic Standard-Porosity Valved Conduits

Order Number	Valve Size (mm)
HC15012	12
HC15014	14
HC15016	16
HC15018	18
HC15020	20
HC15022	22
HC15025	25

For right heart applications



Model 105 | Hancock Bioprosthetic Low-Porosity Valved Conduits

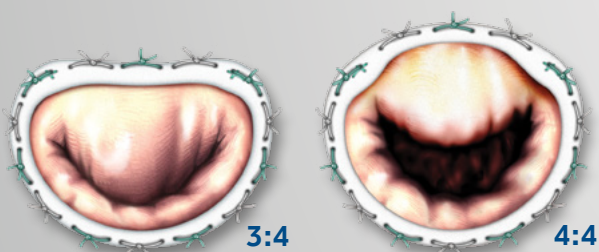
Order Number	Valve Size (mm)
HC05012	12
HC05014	14
HC05016	16
HC05018	18
HC05020	20
HC05022	22
HC05025 	26

For right and left heart applications

Intentional Design

Unique composite design considers both cardiac cycles

- **Cardiac Systole**
The ring remodels the mitral valve orifice to normal 3:4 ratio between the anteroposterior and transverse diameters
- **Cardiac Diastole**
The ring's dynamic characteristics allow physiologic motion and movement to maintain the normal 4:4 ratio between anteroposterior and transverse diameters



Implant Ease

- Low profile design allows for ease of implant
- Unique eyelet design allows for easy anchoring to the trigones



Provides enough stiffness for posterior remodeling, while preserving dynamic annular motion

CG Future™

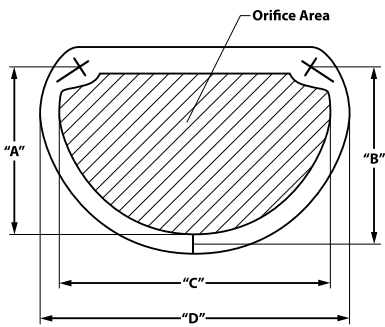
Semi-Rigid Annuloplasty Ring and Band

More physiologically-based mitral solutions.

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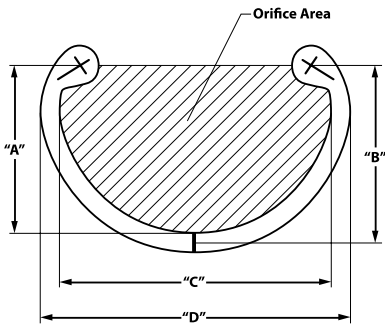
CG Future Annuloplasty Ring, Model 638R

Order Number	Ring Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Orifice Area (mm²)
638RL24	24	15.27	16.53	24.0	28.9	269.3
638RL26	26	16.38	17.64	26.0	30.9	314.9
638RL28	28	17.48	18.73	28.0	32.9	364.3
638RL30	30	18.59	19.85	30.0	34.9	417.3
638RL32	32	19.71	20.97	32.0	36.9	474.7
638RL34	34	20.83	22.09	34.0	38.9	536.0
638RL36	36	21.92	23.18	36.0	40.9	600.9
638RL38	38	23.04	24.29	38.0	42.9	669.4



CG Future Annuloplasty Band, Model 638B

Order Number	Band Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Orifice Area (mm²)
638BL26	26	16.38	17.64	26.0	30.9	332.0
638BL28	28	17.48	18.73	28.0	32.9	382.8
638BL30	30	18.59	19.85	30.0	34.9	437.4
638BL32	32	19.71	20.97	32.0	36.9	496.3
638BL34	34	20.83	22.09	34.0	38.9	559.2
638BL36	36	21.92	23.18	36.0	40.9	625.1
638BL38	38	23.04	24.29	38.0	42.9	695.7



CG Future Annuloplasty Band Accessories

Order Number	Description
T7630	CG Future Accessory Tray
7615	Annuloplasty Handle (216mm length)
7615XL	Annuloplasty Handle (373mm length)
7638S	CG Future Sizer Set (8 reusable sizers, 24 - 38mm)

Contour 3D™

Tricuspid Annuloplasty Ring

Accommodates anterior motion; provides posterior support.

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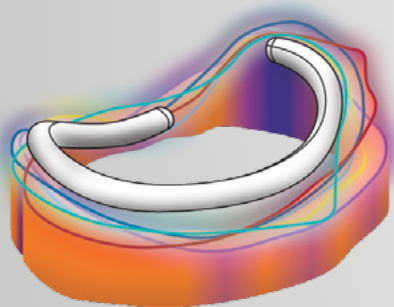
SURGICAL ABLATION

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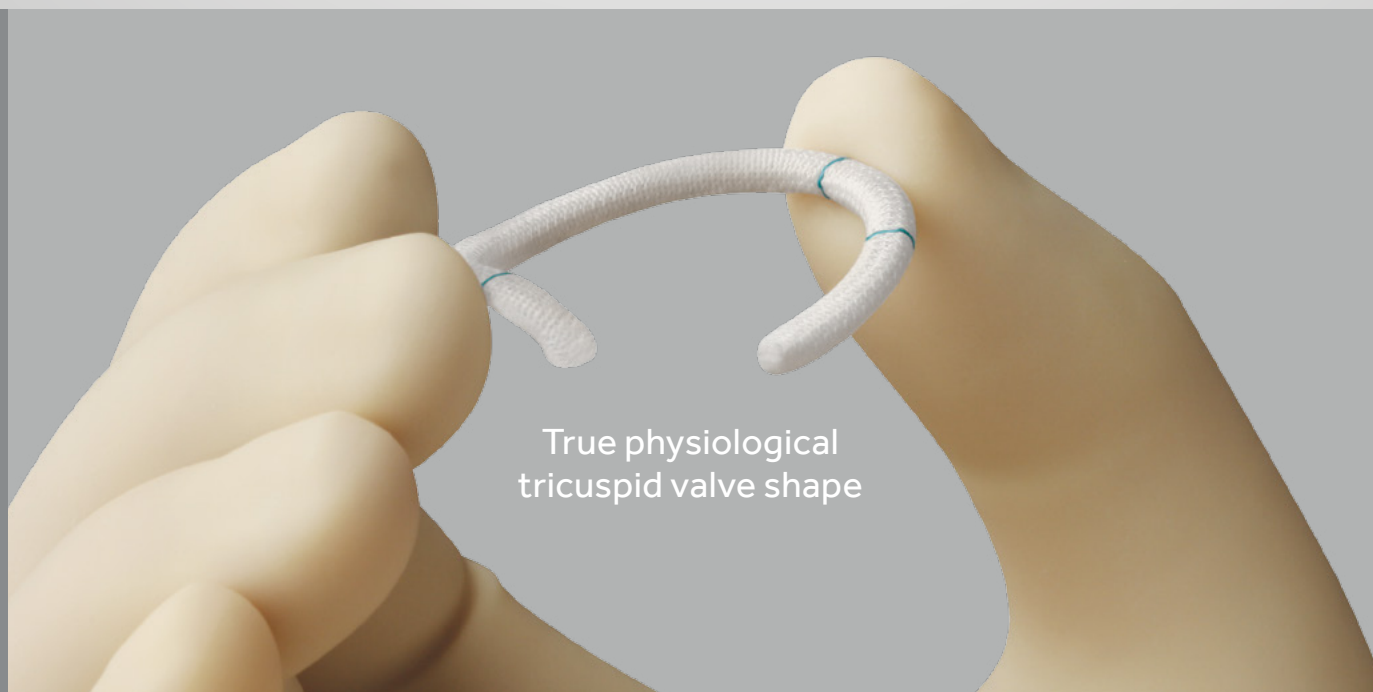
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Restores Anatomic 3D Shape

- Design of the Contour 3D ring is based on CT data from functional human tricuspid valves—offering surgeons a 3D remodeling ring anatomically shaped to the normal tricuspid annulus



- Low profile and smooth penetration
- Low profile height of 3.3mm helps to avoid interference with the heart's conduction system. In addition, unique fabric allows for smooth needle penetration



True physiological
tricuspid valve shape

Contour 3D™

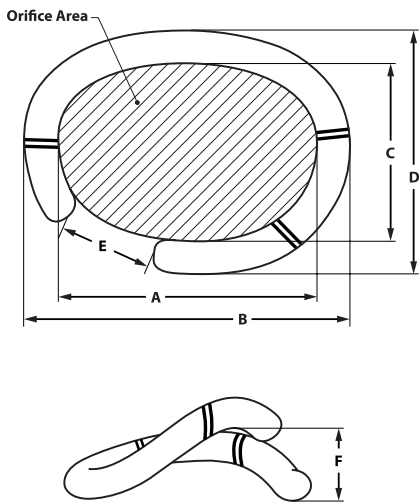
Tricuspid Annuloplasty Ring

Accommodates anterior motion; provides posterior support.

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Contour 3D Annuloplasty Ring, Model 690R

Order Number	Ring Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Orifice Area (mm²)
690R26	26	24	32	16	24	10	7	326.1
690R28	28	26	34	18	25	11	7	387.2
690R30	30	28	36	19	27	12	8	449.2
690R32	32	30	38	21	28	13	8	512.4
690R34	34	32	40	22	30	14	9	588.6
690R36	36	34	42	23	31	15	9	665.1



Contour 3D Annuloplasty Ring Accessories

Order Number	Description
T7690	Contour 3D Accessory Tray
7686	Annuloplasty Handle (216mm length)
7686XL	Annuloplasty Handle (373mm length)
7690S	Contour 3D Sizer Set (6 reusable sizers, 26 - 36mm)
7690SD	Contour 3D Sizer Set (6 disposable silicone sizers, 26 - 36mm)

Duran AnCore™

Flexible Annuloplasty Ring and Band

A clinically inspired design by Carlos Duran, MD, PhD, with technology proven by more than 36 years of clinical experience.

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Duran AnCore Ring

- Flexibility allows preservation of the natural physiologic motion of the annulus resulting in optimal hemodynamics¹
- Adapts to changes in the mitral orifice area during entire cardiac cycle²

Duran AnCore Band

- Optimum choice when only posterior annulus support is required^{3,4}
- Band length extends beyond the trigones to provide secure suturing

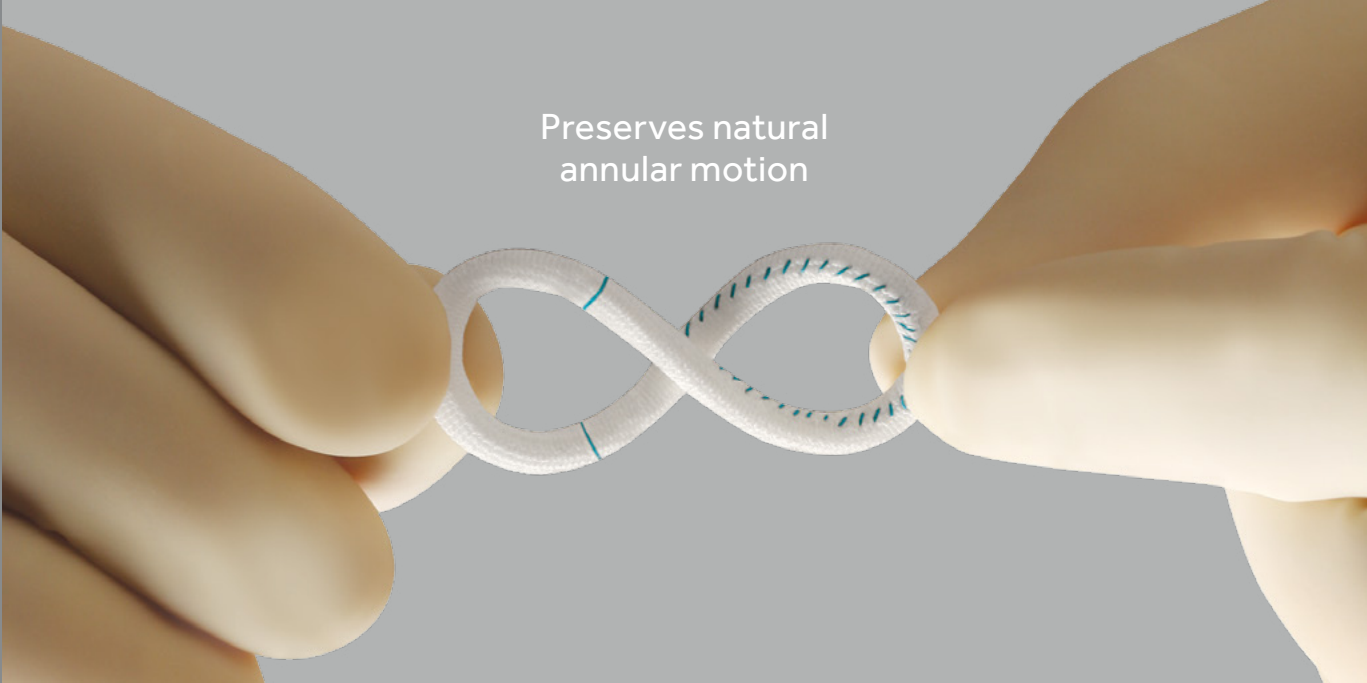
Ease of Implant

- Patented chordal guide facilitates replacement of mitral valve chordae tendineae



References

1. Kunzelman KS, Reimink MS, Cochran RP. Flexible Versus Rigid Ring Annuloplasty for Mitral Valve Annular Dilatation: A Finite Element and Model. *J Heart Valve Dis.* 1998;7:108-116.
2. Yamaura Y, Yoshikawa J, Yoshida K, et al. Three-dimensional Analysis of Configuration and Dynamics in patients with an Annuloplasty Ring by Multiplane Transesophageal Echocardiography: Comparison Between Flexible and Rigid Annuloplasty Rings. *J Heart Valve Dis.* 1995;4:618-22.
3. Duran CMG. Duran Flexible Annuloplasty Repair of the Mitral and Tricuspid Valves: Indications, Patient Selection, and Surgical Techniques using the Duran Flexible Annuloplasty Ring. Medtronic, Inc. 1992.
4. Odell JA, Schaff HV, Orszulak TA. Early Results of a Simplified Method of Mitral Valve Annuloplasty. *Circulation.* 1995;92 (Suppl 2):11-150-4.



Preserves natural
annular motion

Duran AnCore™

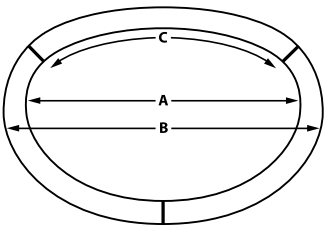
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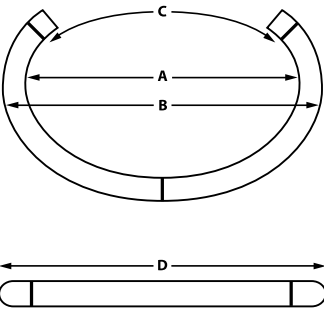
Duran AnCore Annuloplasty Ring, Model 620R

Order Number	Ring Size (mm)	A (mm)	B (mm)	C (mm)
620RG23	23	25.8	31.8	23
620RG25	25	27.8	33.8	25
620RG27	27	29.8	35.8	27
620RG29	29	31.7	37.7	29
620RG31	31	33.8	39.8	31
620RG33	33	35.8	41.8	33
620RG35	35	37.7	43.7	35



Duran AnCore Annuloplasty Band, Model 620B

Order Number	Band Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)
620BG23	23	25.8	31.8	23	59
620BG25	25	27.8	33.8	25	63
620BG27	27	29.8	35.8	27	67
620BG29	29	31.7	37.7	29	73
620BG31	31	33.8	39.8	31	77
620BG33	33	35.8	41.8	33	81
620BG35	35	37.7	43.7	35	85



Duran AnCore Annuloplasty Ring and Band Accessories

Order Number	Description
T7660	Duran AnCore Accessory Tray
7620H/7686	Annuloplasty Handle (216mm length)
7620HXL/7686XL	Annuloplasty Handle (373mm length)
7620S	Duran AnCore Sizer Set

Profile 3D™

Rigid Annuloplasty Ring

Engineered to maintain anterior and posterior dimensions of the mitral annulus.

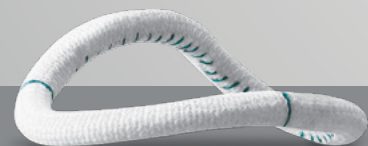
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Restoring Annular Geometry

- Unique asymmetrical 3D design engineered to maintain anterior and posterior dimensions of mitral annulus to restore annular geometry

Saddle Shape

- The saddle shape, based on the annular geometry of normal human mitral annuli, may reduce stress and increase mitral valve durability^{1,2}
- Design provides a consistent 25% anterior curvature and 15% posterior curvature reducing peak leaflet stress³



25%
Anterior
Curvature

15%
Posterior
Curvature

Restores annular geometry

References

1. Published U.S. Patent Application Nos. 2005-0021135 A1 and 2006-0025856 A1.
2. Fedak P, McCarthy P, Bonow R. Evolving concepts and technologies in mitral valve repair. *Circulation*. 2008;117:963-74.
3. Salgo I, Gorman J, Gorman R, et al. Effect of annular shape on leaflet curvature in reducing mitral leaflet stress. *Circulation*. 2002;106:711-7.

Profile 3D™

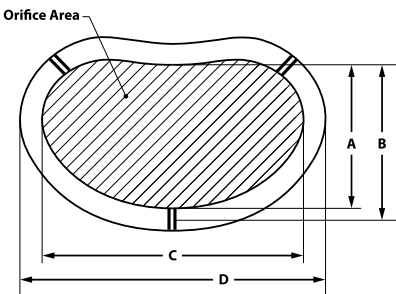
Rigid Annuloplasty Ring

Engineered to maintain anterior and posterior dimensions of the mitral annulus.

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Profile 3D Annuloplasty Ring, Model 680R

Order Number	Ring Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Orifice Area (mm²)
680R24	24	13.4	15.0	24.2	30.5	278
680R26	26	14.5	16.1	26.2	32.5	325
680R28	28	15.6	17.2	28.2	34.5	376
680R30	30	16.7	18.3	30.2	36.5	430
680R32	32	17.8	19.4	32.2	38.5	489
680R34	34	18.9	20.5	34.2	40.5	550
680R36	36	19.8	21.4	36.2	42.5	612
680R38	38	20.9	22.5	38.2	44.5	683
680R40	40	22.0	23.6	40.2	46.5	756



Profile 3D Annuloplasty Ring Accessories

Order Number	Description
T7680	Profile 3D Accessory Tray
7686	Annuloplasty Handle (216mm length)
7686XL	Annuloplasty Handle (373mm length)
7680S	Profile 3D Sizer Set (6 reusable sizers, 26-36mm)

Simplici-T™

Flexible Annuloplasty Band

Designed to repair annular dilation while preserving 3D motion during the cardiac cycle.

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Eliminate the Need for Traditional Sizing

- Provides a custom fit for mitral and tricuspid patients through graduated markings that can be used to measure the implanted band length
- Unique, low-profile flexible band is supplied in a length of 100mm

Adapts to Pathology

- Adapts to the unique needs of every patient based on pathology. Band length is determined by the annular size and degree of plication.



Customizable, flexible band
for every patient



Simplici-T™

Flexible Annuloplasty Band

Designed to repair annular dilation while preserving 3D motion during the cardiac cycle.

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Simplici-T Annuloplasty Band, Model 670

Order Number		Band Size (mm)	Description
607100		100	Simplici-T Annuloplasty Band



Simulus™

Flexible Annuloplasty Ring and Band

Flexible ring and band enabling easy manipulation in varied approaches and exposures.

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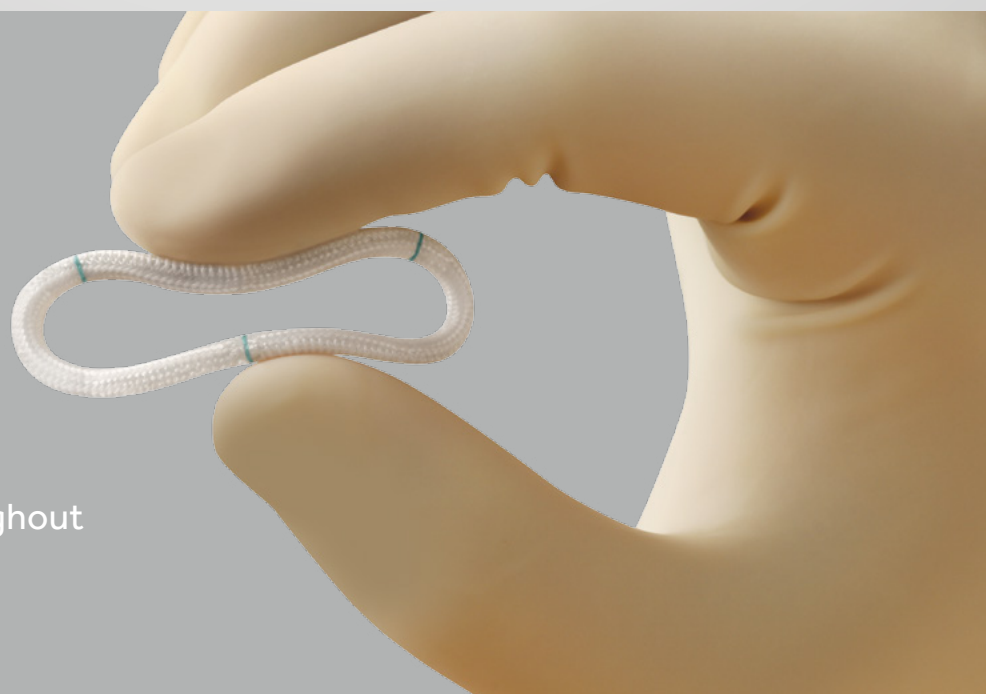
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Unique Braided Polyester

- Discourages bunching or crimping while enabling low resistance, smooth needle penetration
- Accommodates sternotomy, thoracotomy and minimally invasive procedures

Ease of Implant

- Trigone and midline posterior markers assist in precise suture placement and band positioning
- Flexible throughout cardiac cycle with a low profile design



Flexibility throughout cardiac cycle

Simulus™

Flexible Annuloplasty Ring and Band

Flexible ring and band enabling easy manipulation in varied approaches and exposures.

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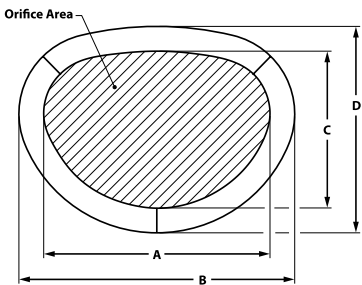
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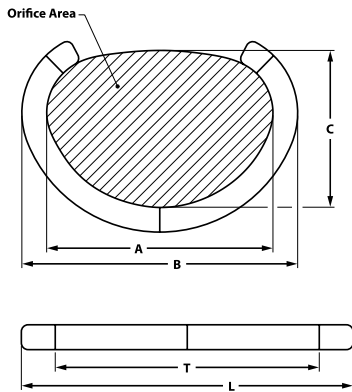
Simulus Flexible Annuloplasty Ring, Model 700FF

Order Number	Ring Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Orifice Area (mm ²)
700FF23	23	24	30	17.1	23.1	325
700FF25	25	27	33	19.5	25.5	418
700FF27	27	29	35	20.9	26.9	481
700FF29	29	31	37	22.3	28.3	550
700FF31	31	33	39	23.8	29.8	622
700FF33	33	35	41	25.2	31.2	700
700FF35	35	37	43	26.6	32.6	781
700FF37	37	39	45	28.0	34.0	867
700FF39	39	41	47	29.4	35.4	958



Simulus Flexible Annuloplasty Band, Model 700FC

Order Number	Band Size (mm)	A (mm)	B (mm)	C (mm)	L Straight Length (mm)	T Straight Length Between Trigone Markers (mm)	Orifice Area (mm ²)
700FC23	23	24	30	17.1	59	53	325
700FC25	25	27	33	19.5	63	57	418
700FC27	27	29	35	20.9	67	61	481
700FC29	29	31	37	22.3	73	65	550
700FC31	31	33	39	23.8	77	69	622
700FC33	33	35	41	25.2	81	73	700
700FC35	35	37	43	26.6	85	77	781
700FC37	37	39	45	28.0	89	81	867
700FC39	39	41	47	29.4	93	85	958



Simulus Flexible Annuloplasty Ring and Band Accessories

Order Number	Description
750	Simulus Flexible Ring/Band Accessory Kit
755	Simulus Flexible Ring/Band Robotic Accessory Kit
752	Annuloplasty Handles (254mm length) (2)

Simulus™

Semi-Rigid Annuloplasty Ring and Band

Distinctive hybrid design enable shaping by dynamic annular motion.

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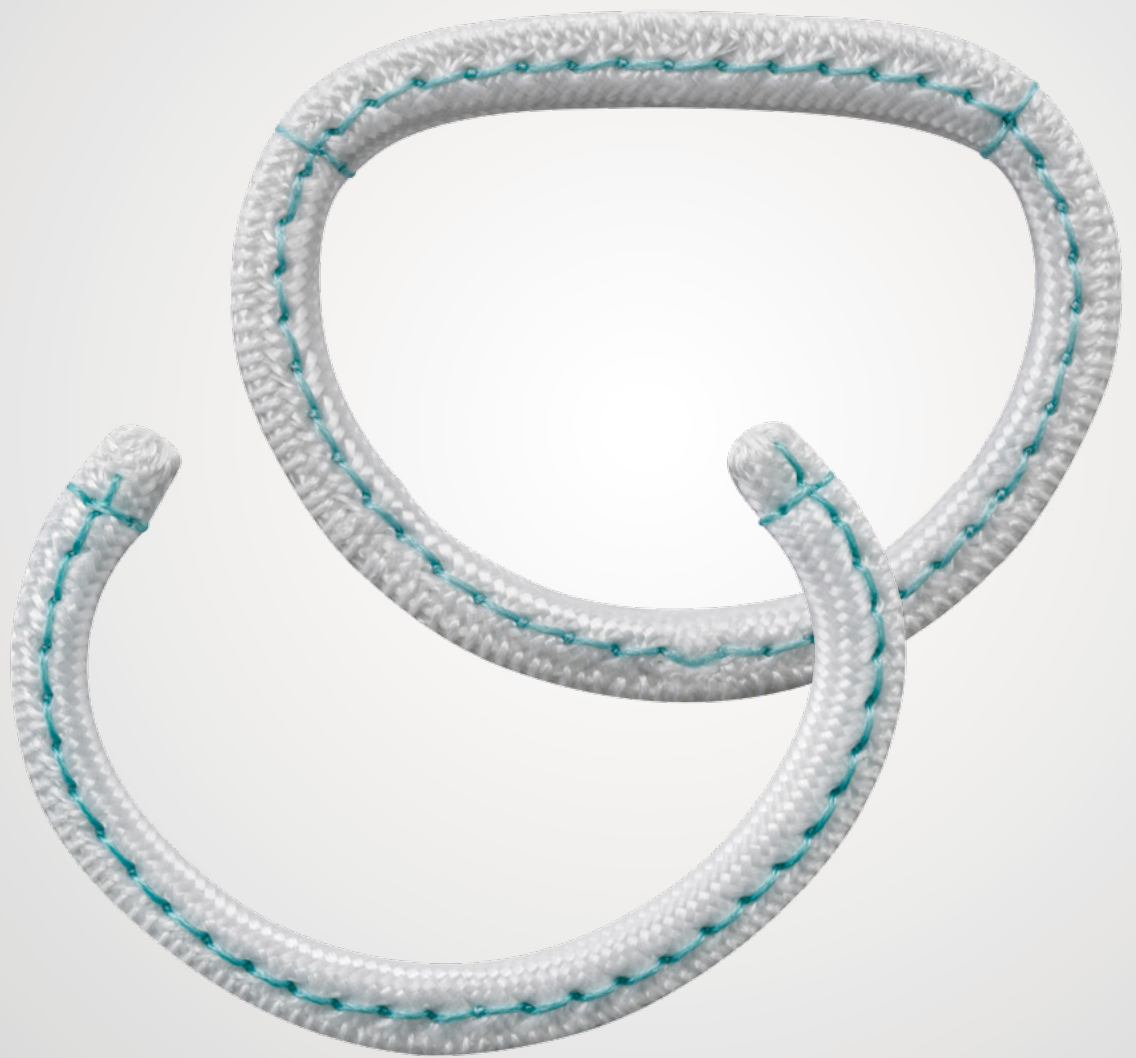
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Saddle and Flat Shape

- Defined suture area, and braided fabric for smooth needle penetration and one cut release
- Takes the shape of the annulus rising as a saddle in systole and flattening to a planar shape in diastole
- Respects annular motion while preserving posterior support

Sew-Easy Implant

- Braided polyester materials enables smooth needle penetration anywhere along ring or band preventing crimping or bunching
- Trigone markers assist in suture placement and positioning
- Flexible tips allow secure attachment at the trigones



Hybrid design to model natural annular dynamics



Simulus™

Semi-Rigid Annuloplasty Ring and Band

Distinctive hybrid design enable shaping by dynamic annular motion.

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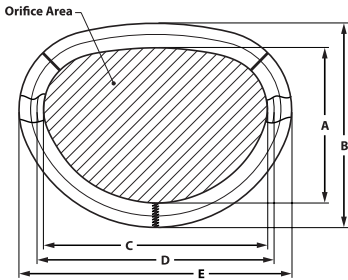
HEART VALVES

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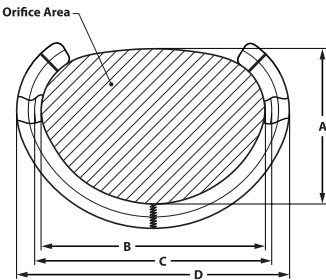
Simulus Semi-Rigid Annuloplasty Ring, Model 800SR

Order Number	Ring Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Orifice Area (mm ²)
800SR24	24	15.6	23.4	22.6	24	30.3	281
800SR26	26	17.0	24.4	24.5	26	31.9	329
800SR28	28	18.3	25.6	26.3	28	33.7	381
800SR30	30	19.6	27.3	28.2	30	36.0	436
800SR32	32	20.9	28.3	30.1	32	37.6	497
800SR34	34	22.2	29.6	32.0	34	39.4	561
800SR36	36	23.5	30.9	33.9	36	41.3	630
800SR38	38	24.8	32.2	35.8	38	43.2	702
800SR40	40	26.1	33.5	37.6	40	45.1	779



Simulus Semi-Rigid Annuloplasty Band, Model 800SC

Order Number	Band Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Orifice Area (mm ²)
800SC24	24	15.6	22.6	24	30.3	281
800SC26	26	17.0	24.5	26	31.9	329
800SC28	28	18.3	26.3	28	33.7	381
800SC30	30	19.6	28.2	30	36.0	436
800SC32	32	20.9	30.1	32	37.6	497
800SC34	34	22.2	32.0	34	39.4	561
800SC36	36	23.5	33.9	36	41.3	630
800SC38	38	24.8	35.8	38	43.2	702
800SC40	40	26.1	37.6	40	45.1	779



Simulus Semi-Rigid Annuloplasty Ring and Band Accessories

Order Number	Description
850	Simulus Semi-Rigid Ring/Band Accessory Kit
752	Annuloplasty Handles (254mm length) (2)

Tri-Ad™

Adams Tricuspid Annuloplasty Ring

Designed to repair annular dilation while preserving 3D motion during the cardiac cycle.

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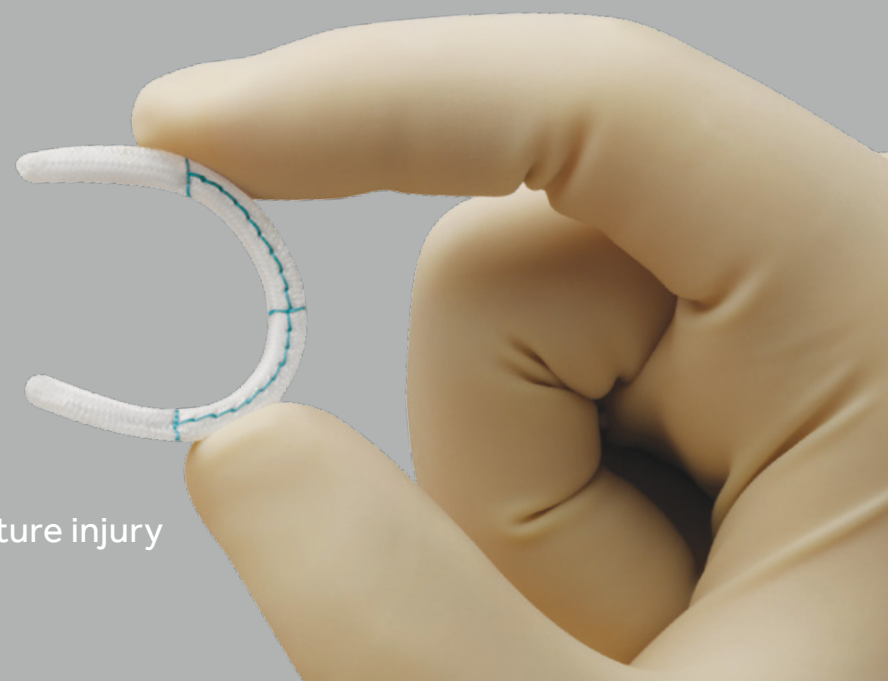
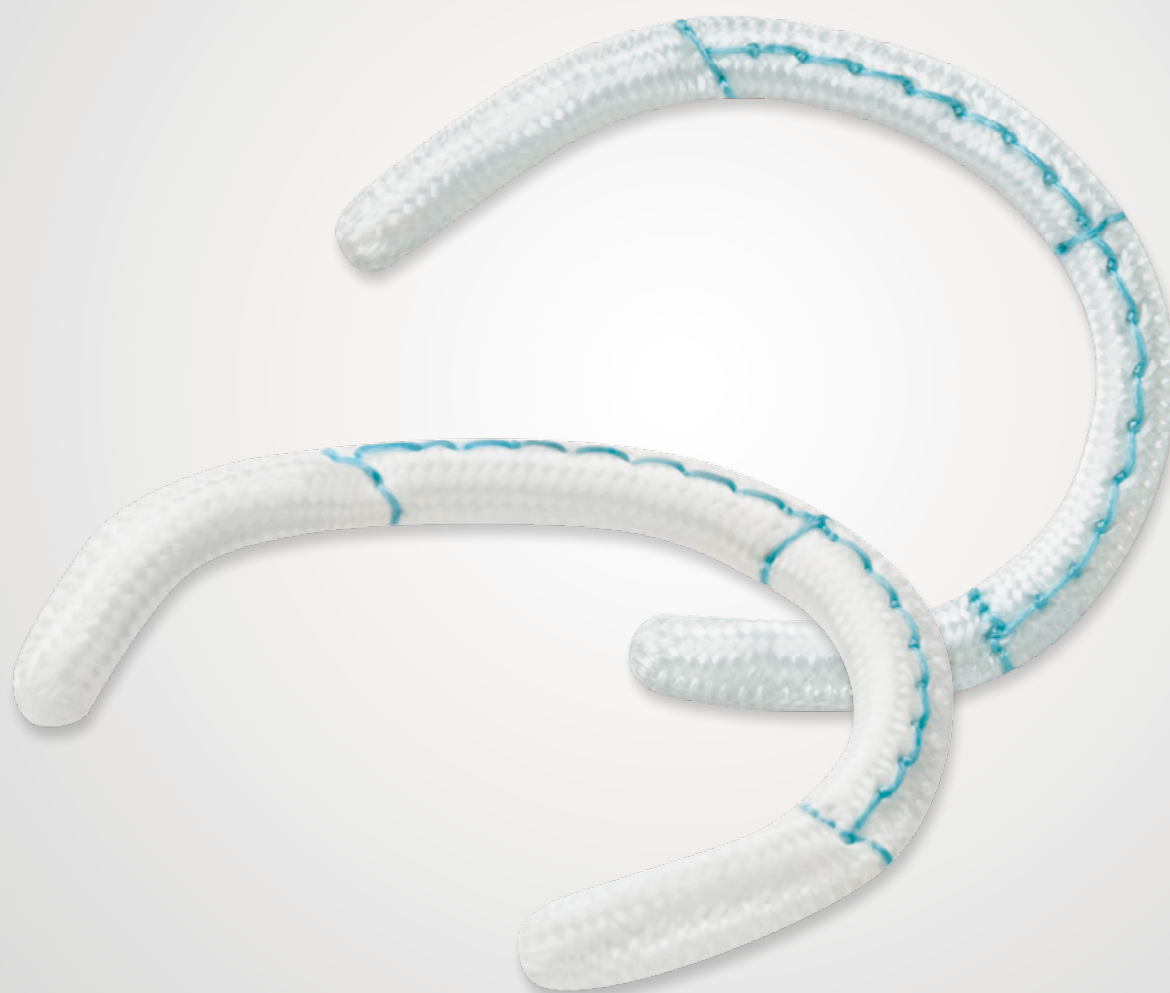
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Smooth Implantation

- Braided sewing ring construction provides smooth needle penetration that prevents bunching; one-cut release
- Large open area minimizes potential suture injury to conduction tissue

Adapts to Tricuspid Anatomy¹

- Repairs annular dilation while preserving 3D motion during cardiac cycle
- Enables adaption to non-planar geometry of the tricuspid valve in systole and diastole
- Semi rigid segment addresses annular dilation along right ventricular free wall



References

1. Milla, F. et al. Rationale and initial experience with the Tri-Ad Adams tricuspid annuloplasty ring. *Journal of Thoracic and Cardiovascular Surgery* 143;4S:S71-3.

Minimizes potential suture injury to conduction tissue

Tri-Ad™

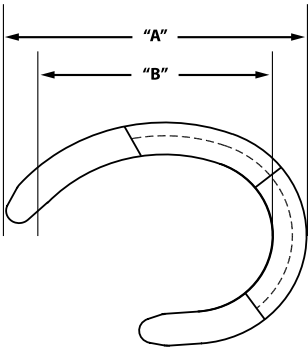
Adams Tricuspid Annuloplasty Ring

Designed to repair annular dilation while preserving 3D motion during the cardiac cycle.

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Tri-Ad Adams Tricupsid Annuloplasty Ring, Model 900SFC

Order Number	Ring Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Orifice Area (mm²)
900SFC26	26	17.4	25.8	25.6	33.2	15.5	365
900SFC28	28	19.4	27.6	28.1	24.9	17.1	435
900SFC30	30	20.9	29.1	30.6	37.2	18.5	502
900SFC32	32	22.3	30.7	31.5	38.2	20.0	557
900SFC34	34	24.0	32.3	34.7	41.1	20.9	654
900SFC36	36	25.5	33.8	36.3	42.9	21.9	730



Tri-Ad Adams Tricupsid Annuloplasty Ring Accessories

Order Number	Description
950	Tri-Ad Adams Ring Accessory Kit
951	Tri-Ad Adams Ring Sizer Set (polysulfone & silicone)
752	Annuloplasty Handles (254mm length) (2)

Streamline™

Temporary Pacing Leads

The Streamline family is the gold standard in temporary pacing leads.

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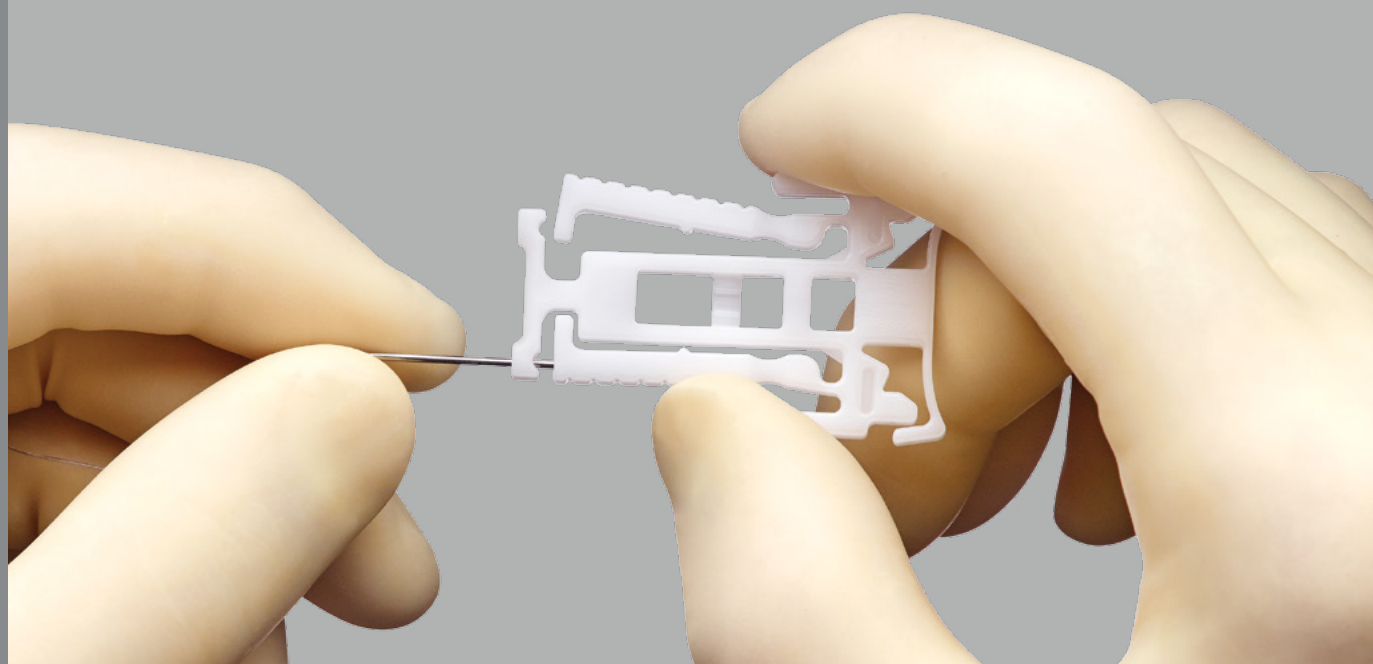
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Generations of Innovation

The Streamline family is designed for temporary pacing and sensing during and after cardiac surgery. The Streamline family includes models that offer consistent unipolar atrial and ventricular pacing, pediatric unipolar pacing and bipolar pacing. All Medtronic temporary pacing leads are compatible with Medtronic external pulse generators. Integrating more than 50 years of scientific and technological pacing expertise into our temporary pacing leads, Streamline is the lead you can trust.



Streamline™

Temporary Pacing Leads

The Streamline family is the gold standard in temporary pacing leads.

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Premium 6500 Unipolar Temporary Myocardial Pacing Lead

- Relaxed fixation coil minimizes trauma during pacing lead insertion
- Diameter of the curved myocardial needle has been reduced from 0.66mm to 0.61mm to minimize tissue perforation
- Discrete electrode for consistent sensing and pacing
- Easy-to-use breakaway chest needle has been reduced in diameter from 1.00mm to 0.86mm to minimize perforation
- Silastic fixation disc for atrial placement
- Connector pin sleeves insulate connector pins while not in use

Bipolar Coaxial 6495 Bipolar Temporary Myocardial Pacing Lead

- Features coaxial lead body for excellent electrical performance
- Curved myocardial needle is slimmer – reduced from 0.66mm to 0.61mm to minimize tissue perforation
- Two discrete electrodes are optimally spaced for consistent pacing and sensing
- Proximal electrode is swaged for smoother transition through tissue
- Relaxed fixation coil minimizes tissue trauma while securely positioning electrode
- Connector pin sleeves insulate connector pins while not in use

Pediatric 6491 Unipolar Pediatric Temporary Pacing Lead

- Smaller fixation coil well suited for thinner pediatric tissue
- Curved chest needle for greater leverage through small chest cavity
- Discrete electrode for consistent sensing and pacing
- Connector pin sleeves insulate connector pins while not in use

Atrial 6492 Unipolar Temporary Atrial Pacing Lead

- Smaller fixation coil well suited for thinner atrial tissue
- Discrete electrode for consistent sensing and pacing
- Straight breakaway chest needle diameter reduced from 1.00mm to 0.86mm minimizes trauma during lead insertion
- Connector pin sleeves insulate connector pins while not in use

Convenience 6494 Unipolar Temporary Myocardial Pacing Wire

The Convenience wire is a temporary pacing wire designed for either atrial or ventricular sensing and pacing.

- Conductive wire length extended from 50mm to 70mm
- Curved myocardial needle diameter reduced from 0.55mm to 0.43mm to minimize trauma during heart wire insertion
- Chest needle diameter reduced from 1.00 mm to 0.86 mm to minimize perforation
- Color-coded leads come conveniently packaged, two per sleeve
- Connector pin sleeves insulate connector pins while not in use

Important Safety Information
The possibility of dislodgement, lead fractures, threshold elevation and sensing inconsistency exists. Other potential complications include, but are not limited to, myocardial irritability, septicaemia and myocardial infections, myocardial bleeding and damage, especially during removal of the pacing lead(s).

Streamline Temporary Pacing Leads

Streamline Family	Description	Quantity
PREMIUM 6500	Model 6500 Unipolar Temporary Myocardial Pacing Lead	12
BIPOLAR COAXIAL 6495	Model 6495 Bipolar Temporary Myocardial Pacing Lead	6
PEDIATRIC 6491	Model 6491 Unipolar Pediatric Temporary Pacing Lead	12
ATRIAL 6492	Model 6492 Unipolar Temporary Atrial Pacing Lead	12
CONVENIENCE 6494	Model 6494 Unipolar Temporary Myocardial Pacing Wire	24

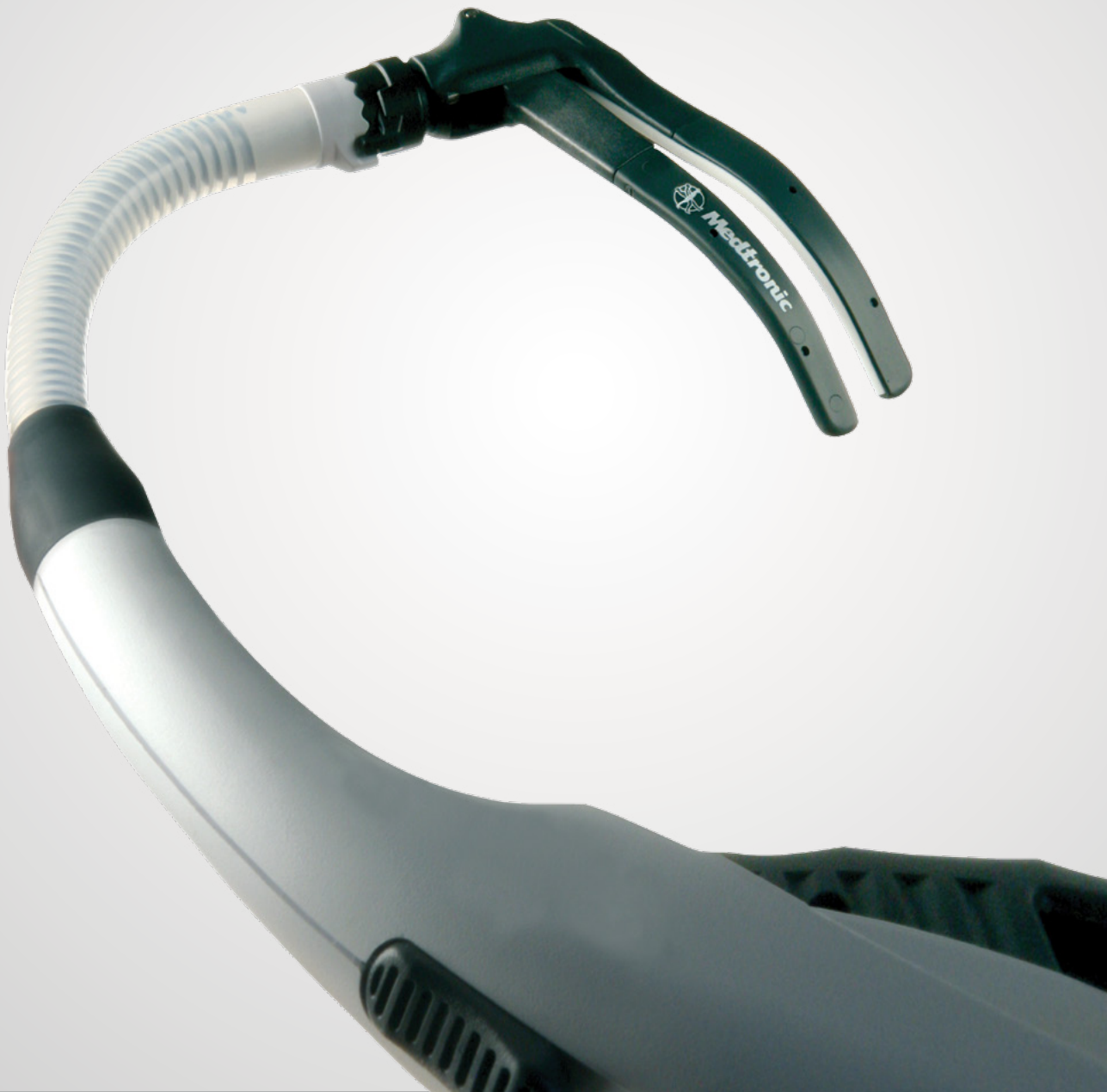
Cardioblate™ iRF Surgical Ablation System

Unique malleability delivers irrigated RF to confidently create transmural lesions.

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Designed For Easy Access

Cardioblate iRF surgical ablation systems are designed with maneuverability, placement and visualization in mind. Uniquely malleable devices put surgeons in control of every procedure with superior energy sources that give greater confidence of lesion transmural.



Malleable Jaws | Conforms to pulmonary veins and atrial anatomies.



Rotatable Jaws | Rotate the head up to 300° to facilitate placement.

Cardioblade™ iRF Surgical Ablation System

Unique malleability delivers irrigated RF to
confidently create transmural lesions.

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Cardioblade iRF Surgical Ablation Systems

Order Number	Description
68000	Cardioblade Surgical Ablation System (includes generator, power cord and foot switch)
60813	Cardioblade Surgical Ablation Pen
60814	Cardioblade XL Surgical Ablation Pen
49205	Cardioblade MAPS Device
60831	Cardioblade PB2 Surgical Ablation Device
60841	Cardioblade LP Surgical Ablation Device
49260	Cardioblade Gemini™-s Surgical Ablation Device



Cardioblade iRF Clamps, Pens & MAPS Device

Order Number	Description
60832	BP2 & Pen (1 each packed and shipped together)
CK9014R	BP2 & XL Pen
60842	LP & XL Pen
CK9016R	LP & XL Pen (1 each packed and shipped together)
SGEMPACK	Cardioblade Gemini-s Surgical Ablation Device & Cardioblade MAPS Device (1 each packed and shipped separately)



Cardioblade iRF Accessories

Order Number	Description
60883	iRF Generator Footswitch
4807	iRF Generator Power Cord
10004D	DLP "Y" Connectors
68005	EGM Cable
5103	Y-adaptor for 2090/2290 Programmer
5437	EKG Slave Cable for 2090/2290 Programmer



CyroFlex™

Surgical Ablation System

Unique malleability delivers argon-powered cryoablation for reproducible, transmural lesions with a single probe.

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Designed For Easy Access

CryoFlex surgical ablation systems are designed with maneuverability, placement and visualization in mind. Uniquely malleable devices put surgeons in control of every procedure with superior energy sources that give greater confidence of lesion transmuralty.



Hand malleable | The tip of the probe can be custom shaped quickly by hand.



CryoFlex™

Surgical Ablation System

Unique malleability delivers argon-powered cryoablation for reproducible, transmural lesions with a single probe.

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CryoFlex Surgical Ablation Systems

Order Number	Description
65CS1	CryoFlex Control Panel
60SF7	CryoFlex Probe, 7cm
60SF2	CryoFlex Probe, 10cm
60SF3	CryoFlex 10-S Probe, 10cm
60CM1	CryoFlex Clamp and Probe, 10cm

CryoFlex and Cardioblate iRF Bundles

Order Number	Description
BP2CF	BP2 & CryoFlex 10cm Probe
BP2CF3	BP2 & CryoFlex 10-S Probe
LPCF	LP & CryoFlex 10cm Probe
LPCF3	LP & CryoFlex 10-S Probe

CryoFlex Accessories

Order Number	Description
67RAXNA	CryoFlex Regulator (with pressure sensor cables)
671PCNA	Power Cord; CryoFlex Control Panel
67H08	Gas Hose; CryoFlex System
65TC1	CryoFlex Tank Carrier



CryoFlex Control Console

CryoFlex Probe

OPCAB

Conventional Beating Heart Surgery

Reliable stability for completing a beating heart anastomosis based on each surgeons preference.

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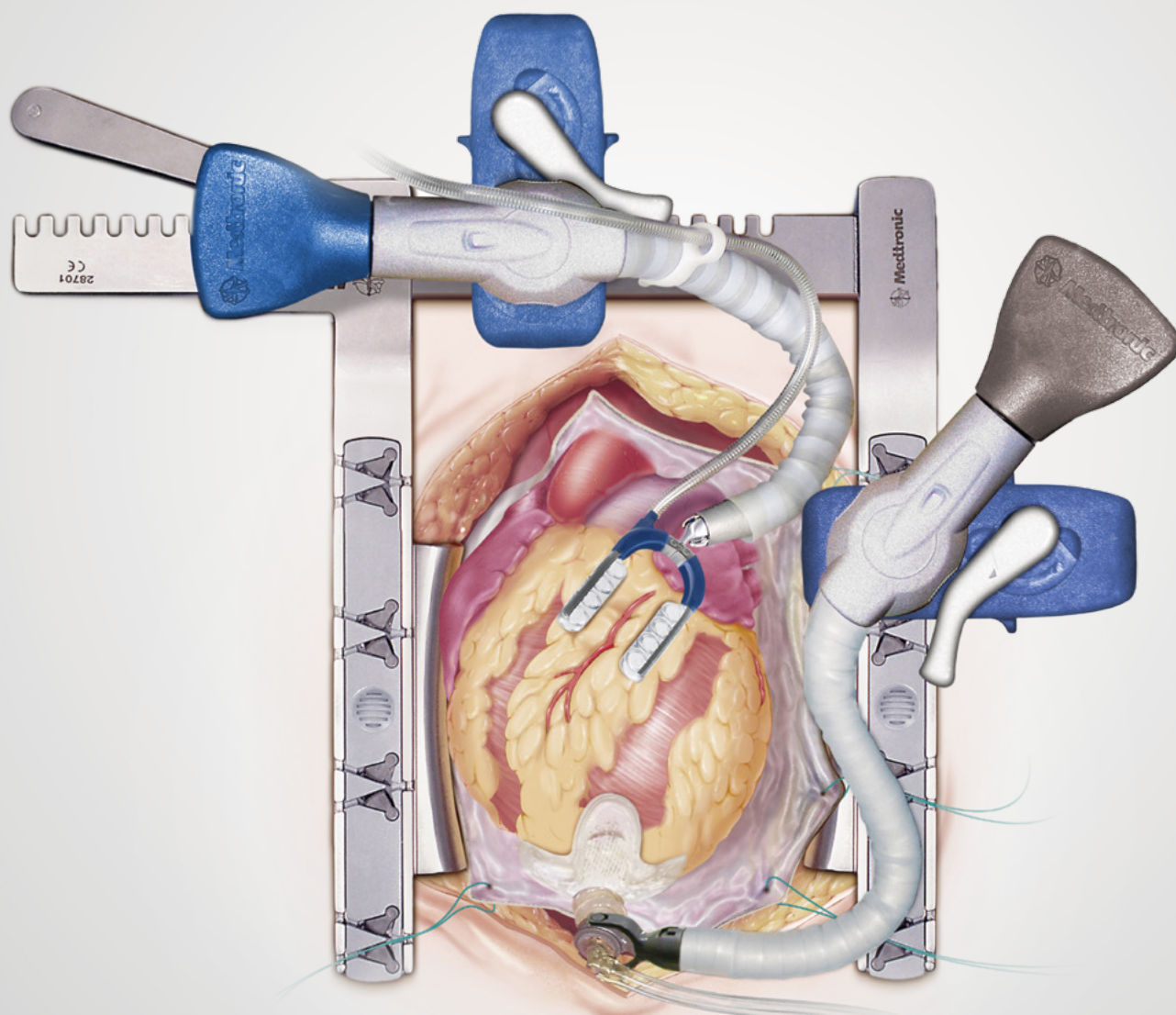
SURGICAL ABLATION

REVASCULARIZATION

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Facilitating Solutions

Urchin™ and Starfish™ Heart Positioners work in concert with the Octopus™ Tissue Stabilizers to facilitate clinical solutions for OPCAB procedures. Cardiac Surgeons can choose from two positioner options, both of which provide enhanced visualization of the anastomotic sites.



OPCAB

Conventional Beating Heart Surgery

Reliable stability for completing a beating heart anastomosis based on each surgeons preference.

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Stabilizers

Order Number	Description
TS2500	Octopus Evolution AS Tissue Stabilizer
TS2000	Octopus Evolution Tissue Stabilizer
29403	Octopus 4.3 Tissue Stabilizer
29400	Octopus 4 Tissue Stabilizer



Positioner

Order Number	Description
HP3500	Urchin Evo Heart Positioner



Positioner

Order Number	Description
HP3000	Starfish Evo Heart Positioner



Beating Heart Stabilizer & Positioner Bundles

Order Number	Description
EASE	Octopus Evolution AS Tissue Stabilizer and Starfish Evo Heart Positioner
EAUE	Octopus Evolution AS Tissue Stabilizer and Urchin Evo Heart Positioner
ESE	Octopus Evolution Tissue Stabilizer and Starfish Evo Heart Positioner
EUE	Octopus Evolution Tissue Stabilizer and Urchin Evo Heart Positioner
43ES	Octopus 4.3 Tissue Stabilizer and Starfish Evo Heart Positioner
43EU	Octopus 4.3 Tissue Stabilizer and Urchin Heart Positioner
4EU	Octopus 4 Tissue Stabilizer and Urchin Evo Heart Positioner

Octobase Sternal Retractor System

Order Number	Description
28701	Retractor with reusable stainless steel blade inserts
28702	Stainless steel blanks - standard (reusable)
28703	Swivel blades - standard depth (reusable)
28704	Swivel blades - deep (reusable)
28705	Fixed blades - standard depth (reusable)
28706	Fixed blades - deep (reusable)
28707	Suture holder inserts (disposable)
28709	Retractor handle - replacement component
28710	Fixed skirted blades - deep (reusable)



MICS Bundles

Order Number	Description
NUB3	1 Starfish NS, 1 Octopus Nuvo
MICS 3	5 Octopus Nuvo, 5 Starfish NS, and 1 Thoratrak Retractor System
4ES	1 Octopus 4, 1 Starfish Evo

NOTE: Table clamps are not provided in the MICS Bundles

MICS Accessories

Order Number	Description
28042	Table Clamp



Order Number	Description
28045	Octopus Retractor Adaptor



Minimally Invasive Cardiac Surgery MICS CABG

The stability and familiarity of OPCAB — now available for minimally invasive procedures.

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Direct Visualization, MICS Made Possible

Medtronic offers a complete portfolio of MICS enabling technologies and training opportunities for today's cardiac surgeons. Consider your options for CABG, Valve and Hybrid Coronary Revascularization (HCR) procedures using minimally invasive techniques and technologies.



Minimally Invasive Cardiac Surgery

MICS CABG

The stability and familiarity of OPCAB — now available for minimally invasive procedures.

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Stabilizer

Order Number	Description
TSMICS1	Octopus Nuvo Tissue Stabilizer



Stabilizer

Order Number	Description
TS102	Octopus NS Tissue Stabilizer



Positioner

Order Number	Description
HP102	Starfish NS Heart Positioner



MISC Bundles

Order Number	Description
NUB3	1 Starfish NS, 1 Octopus Nuvo
MICS 3	5 Octopus Nuvo, 5 Starfish NS, and 1 Thoratrak Retractor System
4ES	1 Octopus 4, 1 Starfish Evo

NOTE: Table clamps are not provided in the MICS Bundles

Thoratrak MICS Retractor System

Order Number	Description
28601	Blade - LIMA standard
28602	Blade - LIMA deep
28603	Blade - long thoracotomy standard
28604	Blade - long thoracotomy deep
28604B	Blade - long extended mount standard
28605	Blade - short thoracotomy standard
28606	Blade - short thoracotomy deep
28606B	Blade - short extended mount standard
28610	Thoratrak Retractor System (retractor + multiple blade sets)
28611	Retractor rack



MICS Accessories

Order Number	Description
28042	Table Clamp



Order Number	Description
28045	Octopus Retractor Adaptor



OPCAB Accessories Enabling Technologies

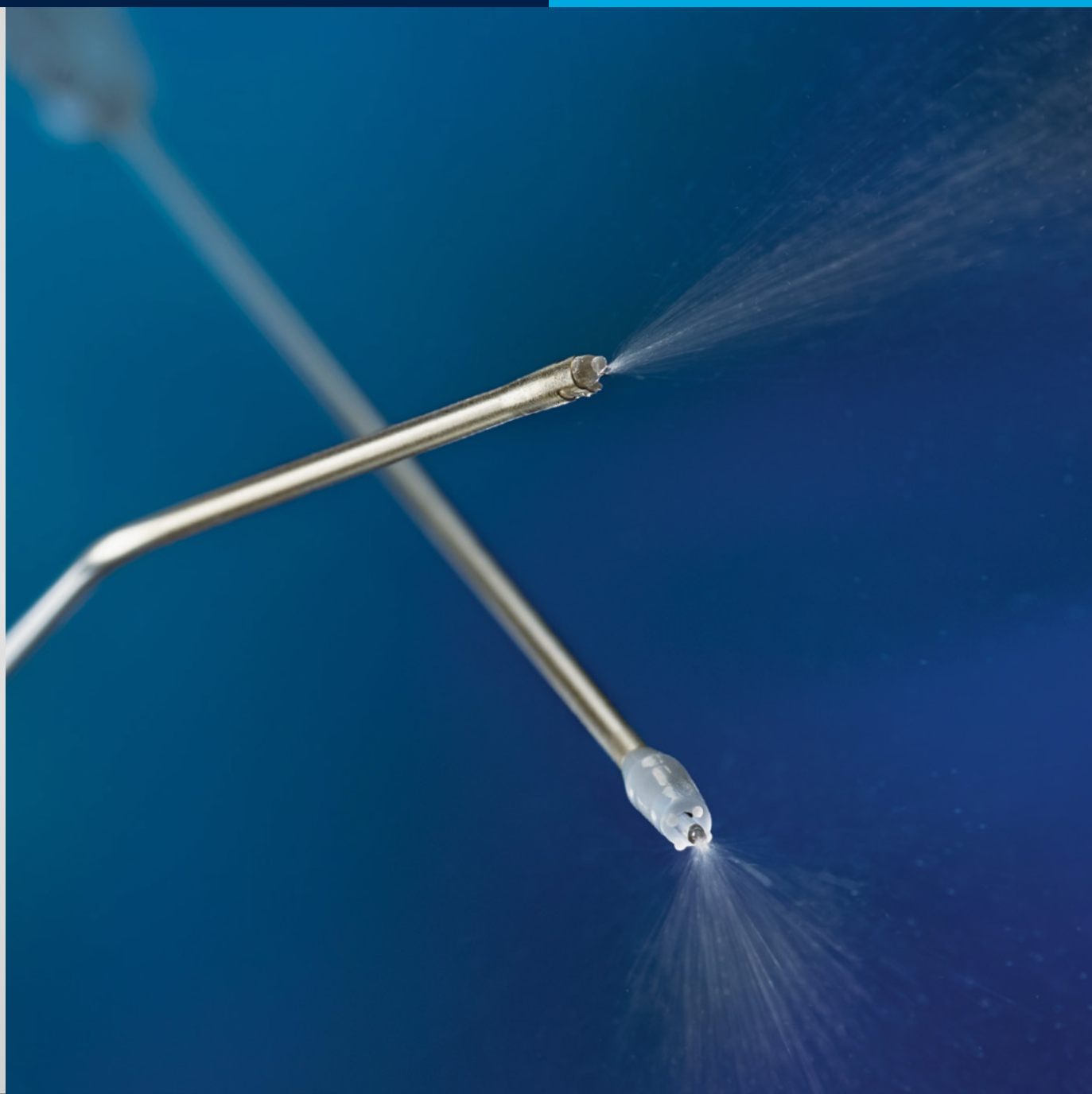
Contributing to the ease and success of your procedures.

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More Options for Beating Heart Surgery

Medtronic's numerous accessories can make OPCAB procedures easier and more successful. The Blower/Mister options facilitate a bloodless field. Shunts too provide a clear anastomotic site during the procedure while providing blood flow to the distal myocardium. And, QuickFlow DPS contains a complete set of components designed to establish rapid aorta-to-coronary perfusion during the beating heart procedure.



OPCAB Accessories

Enabling Technologies

Contributing to the ease and success of your procedures.

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Clearview™ Blower/Mister

Order Number	Description
22120	Clearview Blower/Mister (handpiece only) (qty 10)
22150	Clearview Blower/Mister (with attached tubing set) (qty 5)

AccuMist™ Blower/Mister

Order Number	Description
29150	Accumist Blower/Mister (qty 10)

ClearView Shunt

Order Number	Description
31100	1.00mm shunt, 14mm between bulbs (qty 5)
31125	1.25mm shunt, 14mm between bulbs (qty 5)
31150	1.50mm shunt, 14mm between bulbs (qty 5)
31175	1.75mm shunt, 14mm between bulbs (qty 5)
31200	2.00mm shunt, 14mm between bulbs (qty 5)
31225	2.25mm shunt, 14mm between bulbs (qty 5)
31250	2.50mm shunt, 14mm between bulbs (qty 5)
31275	2.75mm shunt, 14mm between bulbs (qty 5)
31300	3.00mm shunt, 14mm between bulbs (qty 5)

Quickflow DPS Distal Perfusion System

Order Number	Description
33100	Quickflow DPS Distal Perfusion System includes: 1-tubing set; 2-2.00mm elongated arteriotomy cannula; 1-3.00mm elongated arteriotomy cannula; 1-4.00mm elongated arteriotomy cannula; 1-14 gauge aortic root cannula

Off-Pump Accessories

Order Number	Description
28030	Vacuum Regulator
VP700	Portable Vacuum Pump with Regulator





For a listing of indications, contraindications, precautions, warnings, and potential adverse events, please refer to the Instructions for Use.

INTERNATIONAL

CAUTION: For distribution only in markets where the products have been approved.

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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 039709 1144 Rev. 02

Manufacturer:

Medtronic, Inc.

710 Medtronic Parkway
Minneapolis, MN 55432
USA

**Product Category(ies): External pacemakers,
diagnostic and ablation catheter,
transseptal needles**

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.:

713159141

Valid from:

2020-03-03

Valid until:

2024-05-26

Date,

2020-02-28

Christoph Dicks
Head of Certification/Notified Body



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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 039709 1279 Rev. 00

Manufacturer:

Medtronic Inc.

710 Medtronic Parkway
Minneapolis MN 55432
USA

**Product Category(ies): Tissue Heart Valves,
Annuloplasty Rings and Bands
and related Accessories for
Surgical Implants, and Temporary Pacing
Lead 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.: 72150078

Valid from: 2019-11-15

Valid until: 2024-05-26

Date, 2019-11-15

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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 039709 1279 Rev. 00

Facility(ies):

Medtronic Mexico S.de R.L.de CV
Av. Paseo Cucapah, 10510 El Lago, C.P. 22210 Tijuana, Baja
California, MEXICO

Medtronic Heart Valves Division
1941 Blair Avenue, Santa Ana CA 92705, USA

Medtronic Heart Valves Division
1851 E. Deere Avenue, Santa Ana, CA 92705, USA

Medtronic Fabrication S.A.S. Zone Industrielle SUD
Route D'Anor, 59610 Fourmies, FRANCE



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Product Service

EC Certificate

EC Design-Examination Certificate

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

No. G7 039709 1073 Rev. 01

Manufacturer:

Medtronic, Inc.

710 Medtronic Parkway
Minneapolis MN 55432
USA

Product:

Heart Valves

Mechanical Heart Valves and Accessories

The Certification Body of TÜV SÜD Product Service GmbH declares that a design examination has been carried out on the respective devices in accordance with MDD Annex II (4). The design of the devices conforms to the requirements of this Directive. For marketing of these devices an additional Annex II certificate is mandatory. See also notes overleaf.

Report no.:

713148993

Valid from:

2020-02-23

Valid until:

2024-05-26

Date,

2020-02-14

Christoph Dicks

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Product Service

EC Certificate

EC Design-Examination Certificate

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

No. G7 039709 1073 Rev. 01

Facility(ies):

Medtronic, Inc.
3800 Annapolis Lane, Minneapolis MN 55447, USA

Model(s):

Medtronic Open Pivot™ Heart Valve

Parameters:

Description:	Model No.(s)	Size/Diameter (mm)
Standard Valve Series (aortic)	500FA	19, 21, 23, 25, 27, 29 and 31
Standard Valve Series (mitral)	500DM	19, 21, 23, 25, 27, 29, 31 and 33
AP Valve Series (aortic)	501DA	16, 18, 20, 22, 24, 26 and 28
AP Valve Series (mitral)	501DM	16, 18, 20, 22, 24, 26 and 28
AP360 Valve Series (aortic)	505DA	16, 18, 20, 22, 24, 26 and 28
AP360 Valve Series (mitral)	505DM	16, 18, 20, 22, 24, 26 and 28

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PROPATEN
Bioactive Surface
for
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VASCULAR GRAFT



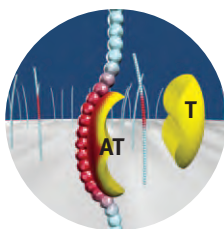
A New Category *in Pediatric Shunts*

- ▶ Gore builds on proven elements you can trust — a combination of innovation and a history of clinical success.
- ▶ **More than 50,000** successful GORE® PROPATEN® Vascular Graft implants and more than three decades of experience with GORE-TEX® Vascular Graft configured for Pediatric Shunts worldwide.
- ▶ **More than 200** scientific papers including numerous clinical studies have demonstrated the performance of the end-point covalent heparin bonding technology.
- ▶ **More than 25 million** Gore clinical ePTFE implants worldwide.
- ▶ **More than 30 years** of experience in medical device implants.

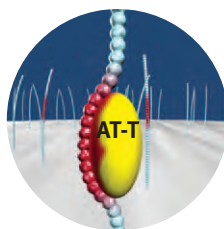
PROPRIETARY END-POINT COVALENT BONDING

- Only the end of the heparin molecule is bonded to the graft surface

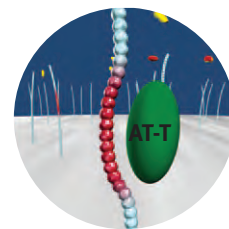
The heparin bioactive site remains free to interact with the blood



- Heparin molecules are bonded to the graft's luminal surface
- Bioactive site of the heparin molecule binds to antithrombin (AT)



- Antithrombin binds to thrombin (T) – a neutral AT-T complex is formed
- Thrombin loses its ability to catalyze the conversion of fibrinogen to fibrin



- Neutral AT-T complex detaches from the heparin molecule
- Heparin bioactive site becomes available to again bind antithrombin

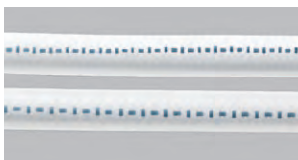
- End-point covalent bonding keeps heparin anchored to the graft surface over time
- Proprietary Gore technology

HEPARIN

- A proven anticoagulant
- Derived from heparin sourced in North America
- Reduced molecular weight heparin of porcine origin

ePTFE

- Unchanged GORE-TEX® Vascular Graft handling properties



Stretch Technology



Thin-walled



Longitudinal extensibility – allowing easier tailoring and sizing



Kink resistance – improved handling, soft and supple while enhancing kink resistance

CATALOGUE NUMBER*	INTERNAL DIAMETER (mm)	GRAFT LENGTH (cm)
HPT030005A	3	5
HPT030010A	3	10
HPT030015A	3	15
HPT350005A	3.5	5
HPT350010A	3.5	10
HPT350015A	3.5	15
HPT040005A	4	5
HPT040010A	4	10
HPT040015A	4	15
HPT050005A	5	5
HPT050010A	5	10
HPT050015A	5	15
HPT060015A	6	15

* European catalogue numbers do not include the 'A'.

For additional sizes and catalogue numbers, please call your local Gore Sales Representative.



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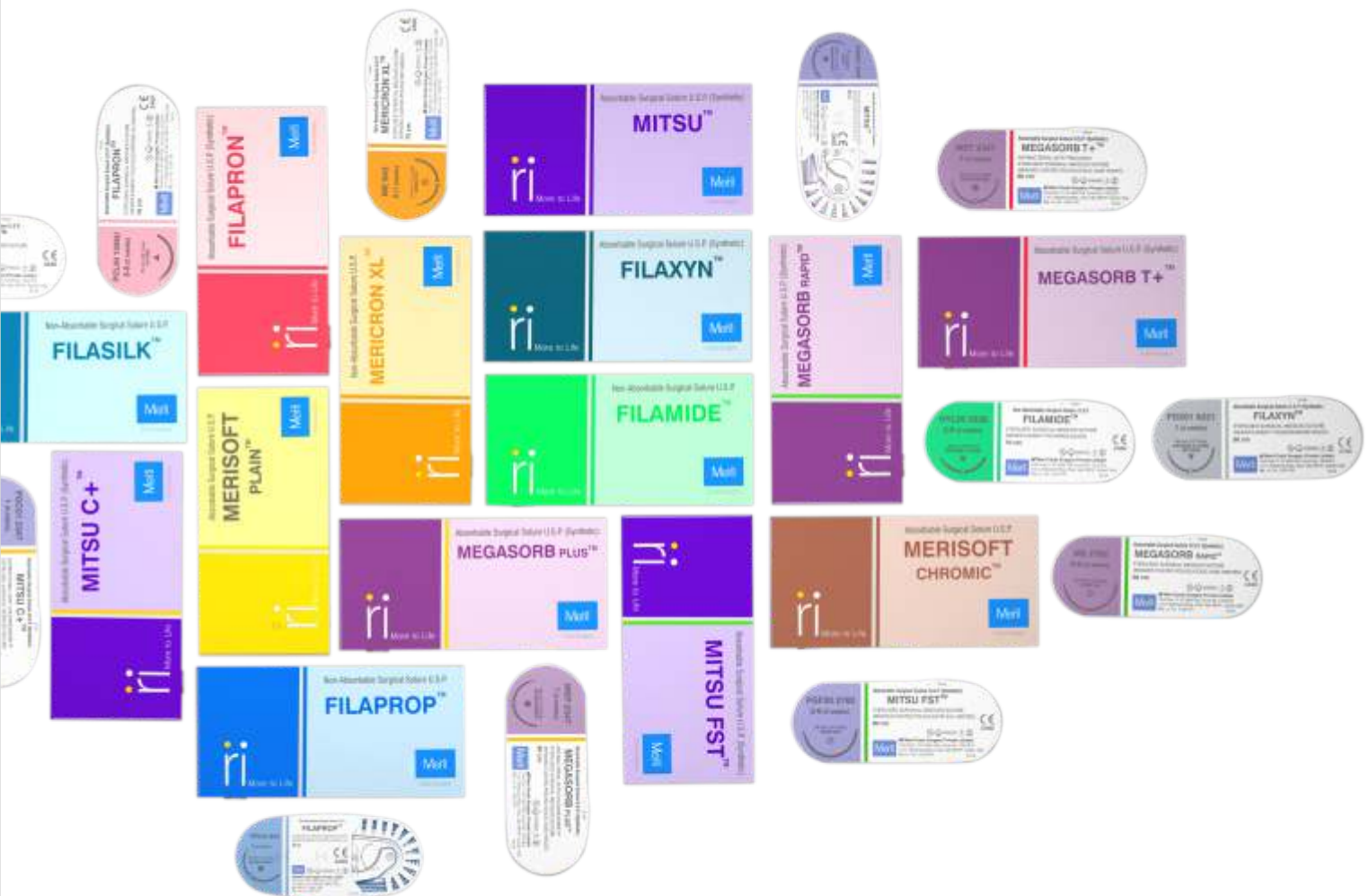
Examples of Applications in Pediatric Cardiac Surgery:

- Complex Tetralogy of Fallot¹⁻⁴
- Pulmonary atresia with VSD²⁻⁴
- Pulmonary atresia with intact septum²⁻⁴
- Double outlet right ventricle with pulmonary stenosis^{2,4}
- Complete transposition with pulmonary stenosis²⁻⁴
- HLHS and other single ventricle equivalents^{2,4,5}

1. Alkhulaifi AM, Lacour-Gayet F, Serraf A, Belli E, Planché C. Systemic pulmonary shunts in neonates: early clinical outcome and choice of surgical approach. *Annals of Thoracic Surgery* 2000;69(5):1499-1504.
2. Ishino K, Stümper O, De Giovanni JJ, *et al.* The modified Norwood Procedure for hypoplastic left heart syndrome: early to intermediate results of 120 patients with particular reference to aortic arch repair. *Journal of Thoracic & Cardiovascular Surgery* 1999;117(5):920-930.
3. Gladman G, McCrindle BW, Williams WG, Freedom RM, Benson LN. The modified Blalock-Taussig shunt: clinical impact and morbidity in Fallot's tetralogy in the current era. *Journal of Thoracic & Cardiovascular Surgery* 1997;114(1):25-30.
4. Tsai KT, Chang CH, Lin PJ. Modified Blalock-Taussig shunt: statistical analysis of potential factors influencing shunt outcome. *Journal of Cardiovascular Surgery* 1996;37(2):149-152.
5. Al Jubair KA, Al Fagih MR, Al Jarallah AS, *et al.* Results of 546 Blalock-Taussig shunts performed in 478 patients. *Cardiology in the Young* 1998;8(4):486-490.

Meril Endo-Surgery

Wound Closure Devices



Other Product Ranges

Staplers | Hemostats | Energy Devices | Hernia Repair Meshes | Ligation Clips | Adhesives | Access Devices
IUDs | Umbilical Cotton Tape | Bonewax

Infrastructure

Situated on 180 acres of land and built over a 300,000 sq.ft. area, Meril's ISO 13485 & cGMP certified ultra-modern manufacturing facility is constructed to satisfy the stringent needs of our cardiovascular, orthopedics, diagnostics and endo-surgery businesses, as well as our R&D endeavors.

Fully integrated manufacturing systems ensure backward integration, flawless man-material movement and complete control over processes to eliminate production errors. All manufacturing and sterilization processes are conducted in-house, in addition to the analytical and microbiological QA/QC tests required to meet the world-class production standards.

Meril Park, Vapi





Talent

Meril's 3200+ personnel are a strong, experienced team comprising designers, engineers, chemists, microbiologists, regulatory affair experts, R&D scientists, clinical affairs experts, legal, finance, sales and marketing professionals with innovative capabilities. The team is continuously striving towards improving and saving lives every day by providing revolutionary solutions for diagnosis, prevention and treatment.

Currently Meril has direct sales & representative offices in India, Germany, Turkey, USA, China and Brazil, and a strong distribution network spread over an additional 102 countries in 6 continents.

Meril Academy

While innovations and advancements in medical technology play a vital role in contributing to the betterment of a healthy society, a larger role also lies in educating and imparting practical training to doctors, clinicians and other members of the medical fraternity. This initiative will help bridge the gaps between the available technology, its adoptions and its implementation for superior patient care.



Also, to add value to medical professionals and young medical interns, Meril Academy functions as world class institution. Spread over a massive area of 200,000 sq. ft. and surrounded with lush, green natural beauty, Meril Academy is situated at the Meril headquarters in Vapi.



Meril Endo-Surgery

In line with the objective to design and develop novel, clinically relevant, state-of-art surgical devices, Meril is expanding its endo-surgery franchise. At Meril, we strive to create and develop products through innovative thinking, cutting edge technologies and collaboration with medical professionals and healthcare organizations, with an aim to identify clinical needs and translate them into market-leading solutions.

Meril's vision is to become a 'one-stop' solution for surgeons by providing them with an extensive product portfolio comprising absorbable & non-absorbable surgical sutures, tissue sealants, absorbable hemostats, hernia repair meshes, intra uterine devices, energy devices and mechanical closure devices.



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Synthetic Non-Absorbable Sutures

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Wound Closure

Wounds which do not heal naturally are treated with wound closure devices. The affected tissues need to be kept in opposition until the healing process provides the wound with proper strength to stand against the stress without any assistance. A wound can be treated with the help of various devices such as sutures, staplers, topical adhesives or clips. Different tissues have their own unique functions and requirements. When one decides on a particular wound closure device, one must take care of the healing needs of the particular tissue which is being treated.

The most common device used for wound closure is suture. Sutures, in general term 'stitches', are sterilized surgical threads, which are used to ligate blood vessels or to approximate tissues.

Sutures are generally categorized as:

- Absorbable and Non-Absorbable
- Natural and Synthetic
- Monofilament and Braided

Absorbable sutures have a tendency to degrade as the wound heals. Non-Absorbable sutures oppose the body's efforts to dissolve them. On complete healing of the wound, surgeons remove the non-absorbable sutures. Meril Endo-Surgery has a wide range of synthetic absorbable sutures which are made from Polyglactin 910 (MITSU family), Polydioxanone (FILAXYN), Poliglecaprone 25 (FILAPRON), Polyglycolic Acid (MEGASORB family) as well as non-absorbable sutures which are made from Polypropylene (FILAPROP), Polyamide (FILAMIDE) and Polyester (MERICRON XL). In natural absorbable sutures, Meril portfolio covers Chromic and Plain Catgut (MERISOFT) and in natural non-absorbable we have silk (FILASILK).

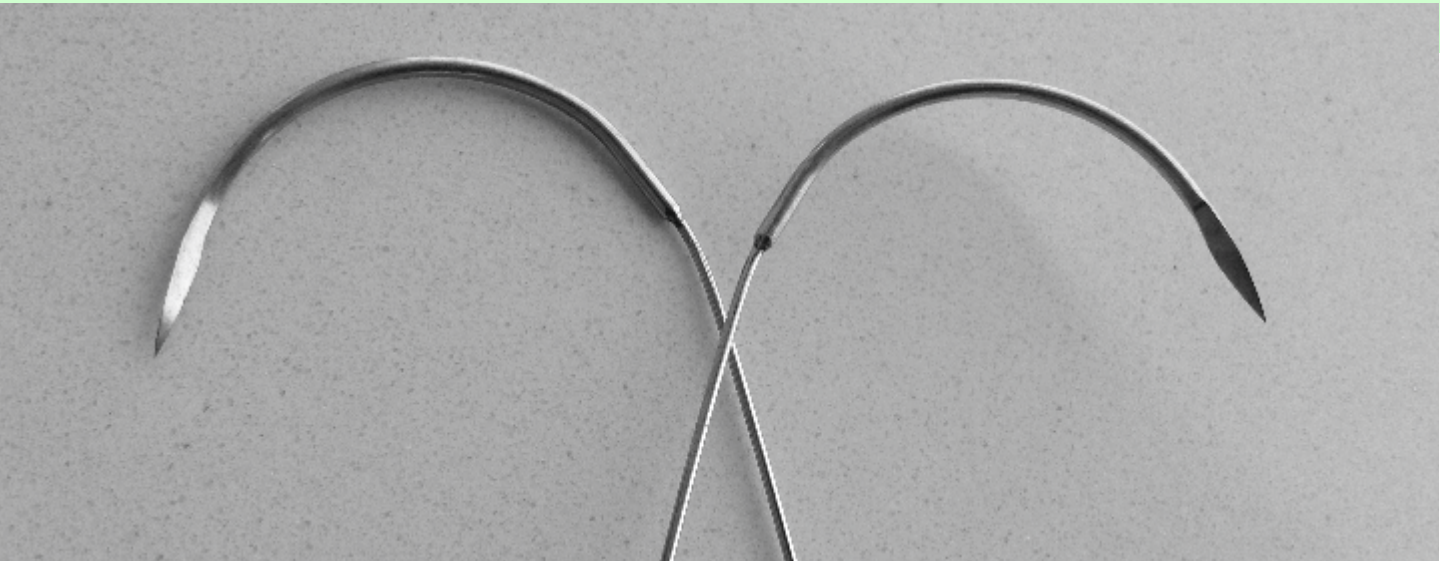
For placement of sutures, surgical needles are used, which are made of stainless steel. Different types and sizes of needles are used depending on the area of application. We are dedicated to assist surgeons in tissue repair by giving them a broad gamut of products with our unmatched quality and service.

Meril Endo-Surgery Needles

In pursuit of offering best quality products, Meril sutures are paired with the superior stainless steel needles for an unparalleled surgical experience.

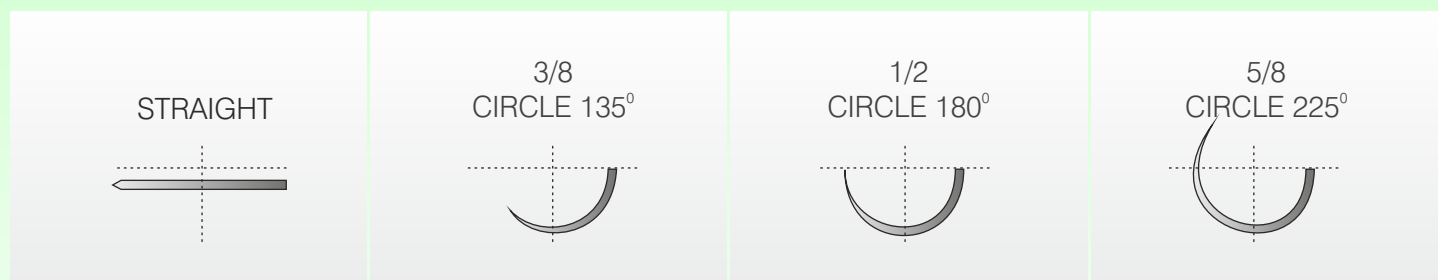
Meril sutures come with sharper and stronger needles (300 series Stainless Steel) specifically designed to meet the ever growing needs in all the surgical disciplines.

With every needle swaged using Multi Stroke Technology (MST) and tested for a needle pull check, Meril needles are distinguished with a high penetration coating and a square body design for a firm grip.



Needle Profiles	Point type	Symbol
	Round bodied/Taper point	
	Conventional cutting	
	Reverse cutting	
	Reverse cutting prime	
	Tapercutting	
	UltraPoint reverse cutting	
	UltraPoint spatula curved	
	CSU spatula	
	SBR spatula	

Needle Shapes



Needle Specifications

Type	Taper	Reverse cutting	Diamond	Cutting	Premium cutting	Spatula	Blunt	Taper cut
Design								
Point								
Shape	Typical Applications							
Straight	Skin/subcutaneous layer closure; Purse string							
1/4 Circle	Ophthalmic/Microsurgical procedures							
3/8 Circle	Skin/subcutaneous layer/abdominal wall closure; Ophthalmic/Vascular/Plastic procedures							
1/2 Circle	Peritoneum closure; Gastrointestinal/Respiratory/Urological procedures							
5/8 Circle	Pelvic & Oral cavity; Urological procedures							
J-Shape	Laparotomy closure							
Ski	Laparoscopic procedures							

Understanding the Suture Codes

Meril code logic represents the necessary information needed to identify the required suture-needle combination. The suture codes are alphanumeric in nature to indicate the suture material, the suture size, and the reference code. The alphabetical suffixes are a key to understand the additional features about the suture and/or the needle.

Material Prefixes

ABBREVIATION	MEANING
PGN	Polyglactin 910
PGP	Polyglactin 910 (with Chlorhexidine)
PGF	Polyglactin 910 Fast
MS	Polyglycolic Acid
MSP	Polyglycolic Acid (with Chlorhexidine)
MST	Polyglycolic Acid (with Triclosan)
PCL	Poliglecaprone 25
PDX	Polydioxanone
CGL	Chromic Catgut Loop
SLK	Silk
SLS	Silk Non Needled
NYL	Polyamide
NYS	Polyamide Non Needled
PPL	Polypropylene
PPG	Polypropylene with Pledgets
STC	Steel Wire

*In case of

- Polyester (Mericon XL), codes start with ME6XX, ME6XXX, ME4XXX, MEXXXX; and polyester with pledgets (Mericon XL P), codes start with PMEXXX or MMEXXXX
- Chromic Catgut (Merisoft Chromic), codes start with ME40XX, ME42XX, ME50XX
- Chromic Catgut non needled (Merisoft Chromic), codes start with SS22XX
- Plain Catgut (Merisoft Plain), codes start with ME50XX
- Plain Catgut non needled (Merisoft Plain), codes start with SS20XX

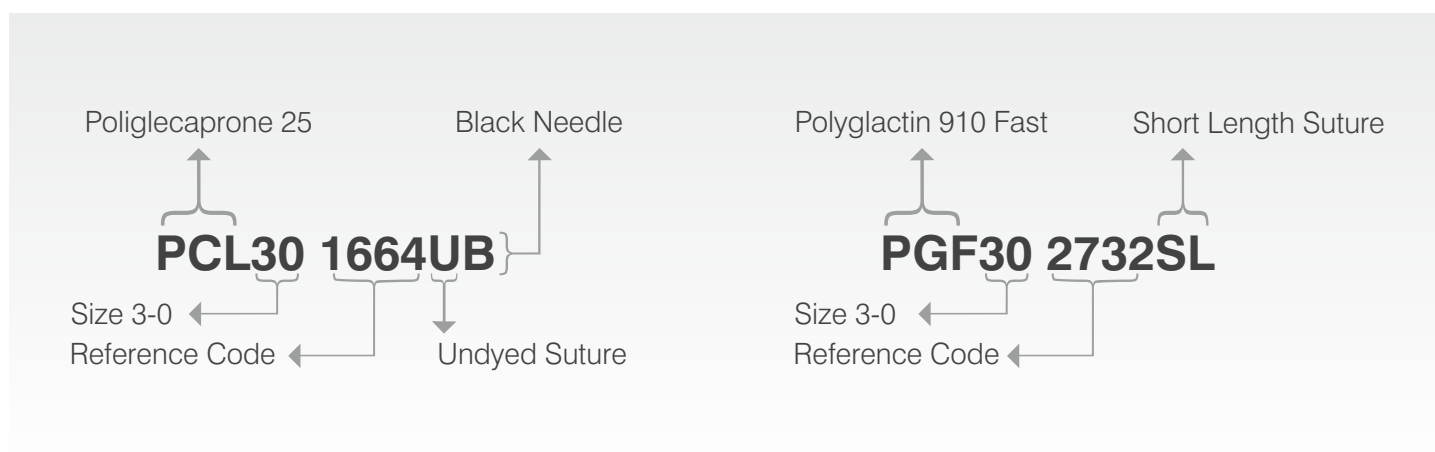
Suture Sizes

- For sutures having a single-digit size, the size is written as: zero followed by the size digit.
E.g.: Size 01 (read as size 1 according to USP), Size 03 (read as size 3 according to USP).
- For finer sutures, the size is written as: the size digit followed by a zero.
E.g.: Size 60 (read as size 6-0 according to USP), Size 70 (read as size 7-0 according to USP), Size 100 (read as size 10-0 according to USP)

Suffixes

ABBREVIATION	MEANING
B/BL	Black Needle
BX	Black Needle; Extra Length Suture
DN	Double Needle
DNL	Double Needle; Long Length Suture
DS	Doctor Special Code
G	Green Suture
ML	Multi Strands
SL	Short Length Suture
U	Undyed Suture
V	Violet Suture
W	White Suture
X	Extra Pair of Suture
XF	Extra Fine Needle
XL	Extra Length Suture

Decoding the Codes



Abbreviation for Specification

ABBREVIATION	MEANING
HC	1/2 CIRCLE
QC	1/4 CIRCLE
CU	3/8 CIRCLE
FE	5/8 CIRCLE
RC	REVERSE CUTTING
CT	CUTTING
RB	ROUND BODIED
TC	TAPER CUT
ST	STRAIGHT
SM	SPATULA
TRO	TROCAR
BP	BLUNT POINT
TP	PLEDGET
VIO	VIOLET
UND	UNDYED

Needle Point Symbol

	TAPER CUT		SPATULA
	CUTTING		STRAIGHT
	REVERSE CUTTING		TROCAR
	ROUND BODIED		

MITSU™

Polyglactin 910 Suture

Properties

- 75% of the original is retained until initial 14 Days
- 50% of the original is retained until initial 21 Days
- There is a subsequent loss between four to five weeks post implantation
- Complete absorption usually takes place between 56 to 70 Days

Indications

- Gastrointestinal procedures
- Gynaecology/Obstetric procedures
- Ophthalmic procedures
- Orthopedic procedures
- Urology procedures
- Skin closure (intracutaneous, subcutaneous)
- Ligatures

Advantages

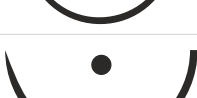
- Smooth knot run-down/Knot slide
- Gentle knot repositioning
- Excellent knot security
- Minimal inflammatory reaction



Product Overview

Structure	: Multifilament, Braided
Colour	: Dyed, Undyed
	
Chemical composition	: Poly (glycolide-co-l-lactide 90/10)
Coating	: Poly(glycolide-co-l-lactide 30/70) + Calcium Stearate
Sizes	: Dyed - USP 8/0 (metric 0.4) - USP 2 (metric 5) : Undyed - USP 6/0 (metric 0.7) - USP 2 (metric 5)
Type of absorption	: Hydrolysis
Sterilization	: Ethylene oxide

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA VIO 0 X 45-22MM SKKI RB VB	PGN10 2901	0		22 mm SKKI Round Body	45	12	VIO
PGLA VIO 0 X 90-30MM HC RB	PGN10 2338	0		30 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 0 X 90-40MM HC RB	PGN10 2346	0		40 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 0 X 140-40MM HC RB TC DN	PGN10 2346DN	0		40 mm 1/2 Circle Round Body Taper Cut	140	12	VIO
PGLA VIO 0 X 180-40MM HC RB TC DN	PGN10 2346DNL	0		40 mm 1/2 Circle Round Body Taper Cut	180	12	VIO
PGLA VIO 0 X 110-40MM HC RB	PGN10 2346DS	0		40 mm 1/2 Circle Round Body	110	12	VIO
PGLA VIO 0 X 45-40MM HC RB	PGN10 2346SL	0		40 mm 1/2 Circle Round Body	45	12	VIO
PGLA VIO 0 X 90-40MM HC TC	PGN10 2518	0		40 mm 1/2 Circle Taper Cut	90	12	VIO
PGLA VIO 0 X 90-36MM HC RC	PGN10 2534	0		36 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGLA VIO 0 X 45-23MM HC RC	PGN10 2825	0		23 mm 1/2 Circle Reverse Cutting	45	12	VIO
PGLA VIO 0 X 75-31MM HC RB	PGN109138	0		31 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 0 X 75-45MM HC RB	PGN109244	0		45 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 0 X 75-48MM HC RB	PGN109250	0		48 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 0 X 75-48MM HC RC	PGN109295	0		48 mm 1/2 Circle Reverse Cutting	75	12	VIO
PGLA VIO 0 X 75-40MM HC RC	PGN109320	0		40 mm 1/2 Circle Reverse Cutting	75	12	VIO
PGLA VIO 0 X 75-31MM HC TC	PGN109361	0		31 mm 1/2 Circle Taper Cut	75	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA VIO 0 X 70-40MM HC RC	PGN100485	0		40 mm 1/2 Circle Reverse Cutting	70	12	VIO
PGLA UND 0 X 70-40MM HC RC	PGN100268	0		40 mm 1/2 Circle Reverse Cutting	70	12	UND
PGLA VIO 0 X 70-40MM FE RB	PGN100381	0		40 mm 5/8 Circle Round Body	70	12	VIO
PGLA VIO 0 X 75-40MM HC RB BLUNT	PGN100280	0		40 mm 1/2 Circle Blunt Point	75	12	VIO
PGLA VIO 0 X 75-30MM HC TC	PGN100518	0		30 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 0 X 75-30MM CU RB	PGN109030	0		30 mm 3/8 Circle Round Body	75	12	VIO
PGLA VIO 0 X 70-36MM CU RC	PGN109036	0		36 mm 3/8 Circle Reverse Cutting	70	12	VIO
PGLA UND 0 X 90-36MM HC RB	PGN10 946U	0		36 mm 1/2 Circle Round Body	90	12	UND
PGLA VIO 0 X 75-31MM J Type RB	PGN10 9138J	0		31 mm J Shape Round Body	75	12	VIO
PGLA VIO 0 X 70-30MM HC RB	PGN10 2342	0		30 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 0 X 70-40MM HC RB	PGN10 2546	0		40 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 0 X 90-40MM HC BP	PGN10 2996	0		40 mm 1/2 Circle Blunt Point	90	12	VIO
PGLA UND 0 X 75-40MM HC TC	PGN10 9901U	0		40 mm 1/2 Circle Taper Cut	75	12	UND
PGLA VIO 0 X 75-36MM J TYPE RB	PGN109221J	0		36 mm J Shape Round Body	75	12	VIO
PGLA VIO 0 X 75-40MM HC RB	PGN109230	0		40 mm 1/2 Circle Round Body	75	12	VIO
PGLA UND 0 X 90-36MM HC RB EX	PGN100946	0		36 mm 1/2 Circle Round Body	90	12	UND

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA VIO 0 X 70-40MM HC RB EX	PGN100352	0		40 mm 1/2 Circle Round Body	70	12	VIO
PGLA UND 0 X 75-40MM HC TC EX	PGN109901	0		40 mm 1/2 Circle Taper Cut	75	12	UND
PGLA VIO 0 X 90-40MM HC RB C1	PGN10 2358	0		40 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 0 X 90-36MM HC TC C1	PGN10 2517	0		36 mm 1/2 Circle Taper Cut	90	12	VIO
PGLA UND 0 X 90-40MM HC RB	PGN10 2346U	0		40 mm 1/2 Circle Round Body	90	12	UND
PGLA VIO 0 X 90-36MM HC RC-3D	PGN102534Z	0		36 mm 1/2 Circle Reverse Cutting	90	36	VIO
PGLA VIO 0 X 70-36MM HC RB	PGN100324	0		36 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 0 X 90-70MM HC RB	PGN100582	0		70 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 0 X 70-30MM CU RC	PGN100610	0		30 mm 3/8 Circle Reverse Cutting	70	12	VIO
PGLA VIO 1 X 90-63MM CU RB BLUNT	PGN019391	1		63 mm 3/8 Circle Blunt Point	90	12	VIO
PGLA VIO 1 X 90-40MM HC RB TN	PGN01 2347	1		40 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 1 X 140-40MM HC RB TC DN	PGN01 2347DN	1		40 mm 1/2 Circle Round Body Taper Cut	140	12	VIO
PGLA VIO 1 X 180-40MM HC RB TC DN	PGN01 2347DNL	1		40 mm 1/2 Circle Round Body Taper Cut	180	12	VIO
PGLA VIO 1 X 110-40MM HC RB	PGN01 2347DS	1		40 mm 1/2 Circle Round Body	110	12	VIO
PGLA VIO 1 X 45-40MM HC RB	PGN01 2347SL	1		40 mm 1/2 Circle Round Body	45	12	VIO
PGLA VIO 1 X 120-36MM HC RB	PGN01 2350	1		36 mm 1/2 Circle Round Body	120	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA VIO 1 X 70-40MM HC RB	PGN01 2359	1		40 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 1 X 90-40MM HC RB TH	PGN01 2360	1		40 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 1 X 90-40MM HC RC	PGN01 2421	1		40 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGLA VIO 1 X 100-50MM HC RB	PGN01 2448	1		50 mm 1/2 Circle Round Body	100	12	VIO
PGLA VIO 1 X 35-23MM HC RC	PGN01 2826	1		23 mm 1/2 Circle Reverse Cutting	35	12	VIO
PGLA VIO 1 X 70-23MM HC RC	PGN01 2826XL	1		23 mm 1/2 Circle Reverse Cutting	70	12	VIO
PGLA VIO 1 X 90-40MM HC TC	PGN01 2519	1		40 mm 1/2 Circle Taper Cut	90	12	VIO
PGLA VIO 1 X 90-50MM HC RC	PGN01 2438	1		50 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGLA VIO 1 X 75-31MM HC RB	PGN019213	1		31 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 1 X 75-45MM HC RB	PGN019245	1		45 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 1 X 100-80MM HC RB	PGN019289	1		80 mm 1/2 Circle Round Body	100	12	VIO
PGLA VIO 1 X 75-48MM HC RC	PGN019296	1		48 mm 1/2 Circle Reverse Cutting	75	12	VIO
PGLA VIO 1 X 75-40MM HC RC	PGN019321	1		40 mm 1/2 Circle Reverse Cutting	75	12	VIO
PGLA VIO 1 X 75-40MM HC RB H	PGN019340	1		40 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 1 X 75-31MM HC TC	PGN019362	1		31 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 1 X 75-36MM HC TC	PGN019365	1		36 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 1 X 75-40MM HC TC	PGN019368	1		40 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 1 X 75-45MM HC TC	PGN019377	1		45 mm 1/2 Circle Taper Cut	75	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA VIO 1 X 90-48MM HC RB H	PGN019451	1		48 mm 1/2 Circle Round Body	90	12	VIO
PGLA UND 1 X 75-40MM HC TC	PGN019906	1		40 mm 1/2 Circle Taper Cut	75	12	UND
PGLA UND 1 X 70-48MM HC RC	PGN010569	1		48 mm 1/2 Circle Reverse Cutting	70	12	UND
PGLA VIO 1 X 150-40MM HC RB LOOP	PGN011408	1		40 mm 1/2 Circle Round Body	150	12	VIO
PGLA VIO 1 X 150-48MM HC RB LOOP	PGN011428	1		48 mm 1/2 Circle Round Body	150	12	VIO
PGLA VIO 1 X 90-31MM HC RB	PGN010253	1		31 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 1 X 70-48MM HC RB	PGN010321	1		48 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 1 X 70-22MM HC RB H	PGN010583	1		22 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 1 X 45-26MM HC RB	PGN0176513	1		26 mm 1/2 Circle Round Body	45	12	VIO
PGLA VIO 1 X 70-26MM HC RB	PGN010335	1		26 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 1 X 90-26MM HC RB	PGN010372	1		26 mm 1/2 Circle Round Body	90	12	VIO
PGLA UND 1 X 70-36MM HC RC	PGN010535	1		36 mm 1/2 Circle Reverse Cutting	70	12	UND
PGLA VIO 1 X 70-36MM HC RB	PGN010341	1		36 mm 1/2 Circle Round Body	70	12	VIO
PGLA UND 1 X 70-36MM HC RB	PGN010347	1		36 mm 1/2 Circle Round Body	70	12	UND
PGLA UND 1 X 90-36MM HC RB BP	PGN019473	1		36 mm 1/2 Circle Blunt Point	90	12	UND
PGLA UND 1 X 70-40MM HC RB	PGN010281	1		40 mm 1/2 Circle Round Body	70	12	UND
PGLA UND 1 X 90-40MM HC RB	PGN010959	1		40 mm 1/2 Circle Round Body	90	12	UND
PGLA VIO 1 X 70-65MM HC RB	PGN010650	1		65 mm 1/2 Circle Round Body	70	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA VIO 1 X 75-40MM HC RB	PGN019231	1		40 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 1 X 90-40MM CU RB	PGN019140	1		40 mm 3/8 Circle Round Body	90	12	VIO
PGLA VIO 1 X 75-48MM HC RB	PGN019251	1		48 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 1 X 90-40MM HC TC C1	PGN01 2364	1		40 mm 1/2 Circle Taper Cut	90	12	VIO
PGLA VIO 1 X 90-40MM HC RC C1	PGN01 2486	1		40 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGLA VIO 1 X 70-40MM HC CT H	PGN018269	1		40 mm 1/2 Circle Conventional Cutting	70	12	VIO
PGLA UND 1 X 90-36MM HC TC	PGN010516	1		36 mm 1/2 Circle Taper Cut	90	12	UND
PGLA VIO 1 X 90-48MM HC CT	PGN018462	1		48 mm 1/2 Circle Conventional Cutting	90	12	VIO
PGLA UND 1 X 70-36MM HC RC-3D	PGN010535Z	1		36 mm 1/2 Circle Reverse Cutting	70	36	UND
PGLA VIO 1 X 75-31MM HC RB-3D	PGN019213Z	1		31 mm 1/2 Circle Round Body	75	36	VIO
PGLA VIO 1 X 120-36MM HC RB-3D	PGN012350Z	1		36 mm 1/2 Circle Round Body	120	36	VIO
PGLA UND 1 X 90-26MM HC RB	PGN010977U	1		26 mm 1/2 Circle Round Body	90	12	UND
PGLA UND 1 X 90-48MM HC RB BP	PGN019773U	1		48 mm 1/2 Circle Blunt Point	90	12	UND
PGLA VIO 1 X 90-48MM HC RB	PGN010371	1		48 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 1 X 70-40MM HC RC	PGN010480	1		40 mm 1/2 Circle Reverse Cutting	70	12	VIO
PGLA VIO 1 X 70-21MM HC RB	PGN010804	1		21 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 1 X 75-26MM FE RB	PGN019278	1		26 mm 5/8 Circle Round Body	75	12	VIO
PGLA VIO 1 X 90-36MM HC BP	PGN019995	1		36 mm 1/2 Circle Blunt Point	90	12	VIO

Meril Endo-Surgery Product Catalogue | Wound Closure 23

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA VIO 1 X 75-110MM FE RB	PGN019111	1		110 mm 5/8 Circle Round Body	75	12	VIO
PGLA VIO 2 X 90-48MM HC TC	PGN021937	2		48 mm 1/2 Circle Taper Cut	90	12	VIO
PGLA VIO 2 X 90-40MM HC RC	PGN02 2478	2		40 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGLA VIO 2 X 75-45MM HC RB	PGN02 9345N	2		45 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 2 X 75-22MM HC RC	PGN029287	2		22 mm 1/2 Circle Reverse Cutting	75	12	VIO
PGLA VIO 2 X 75-48MM HC RC	PGN029297	2		48 mm 1/2 Circle Reverse Cutting	75	12	VIO
PGLA VIO 2 X 75-36MM HC TC	PGN029357	2		36 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 2 X 75-45MM HC TC	PGN029378	2		45 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 2 X 90-48MM HC RB	PGN029452	2		48 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 2 X 90-48MM HC RC	PGN029497	2		48 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGLA VIO 2 X 45-40MM HC RC	PGN020719	2		40 mm 1/2 Circle Reverse Cutting	45	12	VIO
PGLA VIO 2 X 75-40MM HC RB	PGN029240	2		40 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 2 X 75-50MM HC RB	PGN029250	2		50 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 2 X 75-35MM HC TC	PGN029257	2		35 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 2 X 90-37MM HC RB	PGN029237	2		37 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 2 X 75-36MM CU RC	PGN029236	2		36 mm 3/8 Circle Reverse Cutting	75	12	VIO
PGLA VIO 2 X 90-40MM HC RB	PGN02 2452	2		40 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 2 X 75-48MM HC RB	PGN029252	2		48 mm 1/2 Circle Round Body	75	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA VIO 2 X 75-45MM HC RB H	PGN029246	2		45 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 2 X 75-30MM HC RB	PGN029230	2		30 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 10-0 X 10-6.5MM CU SM	PGN100 960	10-0		6.5 mm 3/8 Circle Spatula Micropoint	10	12	VIO
PGLA VIO 10-0 X 10-6MM CU SM DN	PGN100960DN	10-0		6 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	10	12	VIO
PGLA VIO 2-0 X 90-55MM ST CT	PGN209713	2-0		55 mm Straight Conventional Cutting	90	12	VIO
PGLA VIO 2-0 X 90-45MM CU RC	PGN209282	2-0		45 mm 3/8 Circle Reverse Cutting	90	12	VIO
PGLA VIO 2-0 X 90-30MM HC RB	PGN20 2317	2-0		30 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 2-0 X 140-30MM HC RB TC DN	PGN20 2317DN	2-0		30 mm 1/2 Circle Round Body Taper Cut	140	12	VIO
PGLA VIO 2-0 X 70-30MM HC RB	PGN20 2341	2-0		30 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 2-0 X 90-40MM HC RB	PGN20 2345	2-0		40 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 2-0 X 90-40MM HC RC	PGN20 2382	2-0		40 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGLA UND 2-0 X 90-26MM CU CT	PGN20 2404U	2-0		26 mm 3/8 Circle Conventional Cutting	90	12	UND
PGLA VIO 2-0 X 45-26MM HC RB	PGN200775	2-0		26 mm 1/2 Circle Round Body	45	12	VIO
PGLA VIO 2-0 X 75-26MM HC RB	PGN209121	2-0		26 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 2-0 X 70-26MM HC RB	PGN209123	2-0		26 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 2-0 X 75-31MM HC RB	PGN209136	2-0		31 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 2-0 X 75-36MM HC RB	PGN209140	2-0		36 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 2-0 X 75-40MM HC RB	PGN209150	2-0		40 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 2-0 X 75-65MM HC RB	PGN209158	2-0		65 mm 1/2 Circle Round Body	75	12	VIO

Description	FG Code	Size	Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
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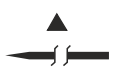
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)

PGLA VIO 2-0 X 75-26MM HC TC	PGN20 9350	2-0		26 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 2-0 X 75-40MM HC TC	PGN209359	2-0		40 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 2-0 X 75-31MM HC TC	PGN209360	2-0		31 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 2-0 X 75-36MM HC TC	PGN209363	2-0		36 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 2-0 X 75-45MM HC TC	PGN209375	2-0		45 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 2-0 X 90-36MM HC RB	PGN209440	2-0		36 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 2-0 X 90-36MM HC TC	PGN209463	2-0		36 mm 1/2 Circle Taper Cut	90	12	VIO
PGLA VIO 2-0 X 90-40MM HC TC	PGN209466	2-0		40 mm 1/2 Circle Taper Cut	90	12	VIO
PGLA VIO 2-0 X 100-31MM HC RB	PGN209637	2-0		31 mm 1/2 Circle Round Body	100	12	VIO
PGLA UND 2-0 X 75-40MM HC TC	PGN209904	2-0		40 mm 1/2 Circle Taper Cut	75	12	UND
PGLA UND 2-0 X 75-36MM HC RB	PGN200258	2-0		36 mm 1/2 Circle Round Body	75	12	UND
PGLA UND 2-0 X 70-26MM HC RB	PGN200417	2-0		26 mm 1/2 Circle Round Body	70	12	UND
PGLA VIO 2-0 X 70-36MM HC RC	PGN200466	2-0		36 mm 1/2 Circle Reverse Cutting	70	12	VIO
PGLA UND 2-0 X 90-30MM CU RC	PGN200589	2-0		30 mm 3/8 Circle Reverse Cutting	90	12	UND
PGLA UND 2-0 X 70-26MM HC RC	PGN200869	2-0		26 mm 1/2 Circle Reverse Cutting	70	12	UND
PGLA VIO 2-0 X 45-17MM HC RB	PGN200306	2-0		17 mm 1/2 Circle Round Body	45	12	VIO
PGLA VIO 2-0 X 70-21MM HC RB	PGN200824	2-0		21 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 2-0 X 70-22MM HC RC	PGN20461	2-0		22 mm 1/2 Circle Reverse Cutting	70	12	VIO
PGLA UND 2-0 X 70-24MM CU RC	PGN200443	2-0		24 mm 3/8 Circle Reverse Cutting	70	12	UND

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA VIO 2-0 X 45-36MM HC RC	PGN200710	2-0		36 mm 1/2 Circle Reverse Cutting	45	12	VIO
PGLA UND 2-0 X 70-36MM HC RB BP	PGN200259	2-0		36 mm 1/2 Circle Blunt Point	70	12	UND
PGLA VIO 2-0 X 70-36MM FE RB	PGN200375	2-0		36 mm 5/8 Circle Round Body	70	12	VIO
PGLA VIO 2-0 X 70-40MM HC RC	PGN200478	2-0		40 mm 1/2 Circle Reverse Cutting	70	12	VIO
PGLA VIO 2-0 X 70-40MM HC RB	PGN200351	2-0		40 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 2-0 X 75-30MM HC RB	PGN200368	2-0		30 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 2-0 X 75-30MM HC TC	PGN200517	2-0		30 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 2-0 X 75-35MM HC RB BLUNT	PGN200738	2-0		35 mm 1/2 Circle Blunt Point	75	12	VIO
PGLA VIO 2-0 X 90-35MM CU RC	PGN209390	2-0		35 mm 3/8 Circle Reverse Cutting	90	12	VIO
PGLA VIO 2-0 X 75-25MM HC CT	PGN209225	2-0		25 mm 1/2 Circle Conventional Cutting	75	12	VIO
PGLA VIO 2-0 X 75-45MM HC CT	PGN209245	2-0		45 mm 1/2 Circle Conventional Cutting	75	12	VIO
PGLA VIO 2-0 X 75-35MM CU CT	PGN209235	2-0		35 mm 3/8 Circle Conventional Cutting	75	12	VIO
PGLA VIO 2-0 X 75-26MM CU CT	PGN209226	2-0		26 mm 3/8 Circle Conventional Cutting	75	12	VIO
PGLA VIO 2-0 X 75-24MM CU RB	PGN209224	2-0		24 mm 3/8 Circle Round Body	75	12	VIO
PGLA VIO 2-0 X 70-24MM CU RC	PGN200453	2-0		24 mm 3/8 Circle Reverse Cutting	70	12	VIO
PGLA VIO 2-0 X 90-48MM HC RB	PGN209290	2-0		48 mm 1/2 Circle Round Body	90	12	VIO
PGLA UND 2-0 X 90-36MM HC TC	PGN209464	2-0		36 mm 1/2 Circle Taper Cut	90	12	UND
PGLA VIO 2-0 X 70-31MM HC RC	PGN209231	2-0		31 mm 1/2 Circle Reverse Cutting	70	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA UND 2-0 X 90-36MM HC RB	PGN20 945U	2-0		36 mm 1/2 Circle Round Body	90	12	UND
PGLA VIO 2-0 X 90-30MM CU RC	PGN20 2316	2-0		30 mm 3/8 Circle Reverse Cutting	90	12	VIO
PGLA VIO 2-0 X 75-22MM HC TC	PGN20 9828	2-0		22 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 2-0 X 45-30MM HC RB	PGN20 2317SL	2-0		30 mm 1/2 Circle Round Body	45	12	VIO
PGLA VIO 2-0 X 90-26MM HC RB	PGN20 2356	2-0		26 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 2-0 X 35-26MM HC RB	PGN20 2356SL	2-0		26 mm 1/2 Circle Round Body	35	12	VIO
PGLA VIO 2-0 X 70-26MM HC RB VB	PGN20 2122	2-0		26 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 2-0 X 90-30MM HC RB DN	PGN20 2318DN	2-0		30 mm 1/2 Circle Round Body Round Body	90	12	VIO
PGLA VIO 2-0 X 45-19MM SKKI RB	PGN20 2903	2-0		19 mm SKKI Round Body	45	12	VIO
PGLA UND 2-0 X 76-60MM ST CT	PGN20 2390U	2-0		60 mm Straight Conventional Cutting	76	12	UND
PGLA VIO 2-0 X 70-36MM HC RB	PGN20 323	2-0		36 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 2-0 X 70-26MM FE RB	PGN20 602	2-0		26 mm 5/8 Circle Round Body	70	12	VIO
PGLA VIO 2-0 X 90-60MM ST CT	PGN209718	2-0		60 mm Straight Conventional Cutting	90	12	VIO
PGLA UND 2-0 X 75-26MM CU CT	PGN202404USL	2-0		26 mm 3/8 Circle Conventional Cutting	75	12	UND
PGLA VIO 2-0 X 75-36MM J TYPE RB	PGN209220J	2-0		36 mm J Shape Round Body	75	12	VIO
PGLA UND 2-0 X 75-36MM CU CT	PGN209532	2-0		36 mm 3/8 Circle Conventional Cutting	75	12	UND
PGLA UND 2-0 X 75-26MM CU RC	PGN209572	2-0		26 mm 3/8 Circle Reverse Cutting	75	12	UND
PGLA UND 2-0 X 45-26MM CU CT	PGN209522	2-0		26 mm 3/8 Circle Conventional Cutting	45	12	UND
PGLA VIO 2-0 X 75-60MM ST CT	PGN2013360	2-0		60 mm Straight Conventional Cutting	75	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA UND 3-0 X 90-25MM CU CT	PGN30 2328U	3-0		25 mm 3/8 Circle Conventional Cutting	90	12	UND
PGLA VIO 3-0 X 45-22MM CU CT	PGN30 2401	3-0		22 mm 3/8 Circle Conventional Cutting	45	12	VIO
PGLA UND 3-0 X 90-19MM CU CT	PGN30 2402U	3-0		19 mm 3/8 Circle Conventional Cutting	90	12	UND
PGLA VIO 3-0 X 70-20MM HC RB	PGN30 2437	3-0		20 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 3-0 X 45-16MM CU CT	PGN30 2471	3-0		16 mm 3/8 Circle Conventional Cutting	45	12	VIO
PGLA VIO 3-0 X 90-22MM HC CT	PGN30 2472	3-0		22 mm 1/2 Circle Conventional Cutting	90	12	VIO
PGLA VIO 3-0 X 90-36MM HC TC	PGN30 2516	3-0		36 mm 1/2 Circle Taper Cut	90	12	VIO
PGLA VIO 3-0 X 75-26MM HC RB	PGN309120	3-0		26 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 3-0 X 75-31MM HC RB	PGN30 9331N	3-0		31 mm 1/2 Circle Round Body	75	12	VIO
PGLA UND 3-0 X 45-19MM CU RC	PGN304970	3-0		19 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA UND 3-0 X 90-17MM HC TC	PGN305180	3-0		17 mm 1/2 Circle Taper Cut	90	12	UND
PGLA UND 3-0 X 45-16MM HC RC	PGN300657	3-0		16 mm 1/2 Circle Reverse Cutting	45	12	UND
PGLA VIO 3-0 X 70-17MM HC RB	PGN300305	3-0		17 mm 1/2 Circle Round Body	70	12	VIO
PGLA UND 3-0 X 45-19MM CU CT	PGN300824	3-0		19 mm 3/8 Circle Conventional Cutting	45	12	UND
PGLA UND 3-0 X 70-19MM CU RC	PGN300427	3-0		19 mm 3/8 Circle Reverse Cutting	70	12	UND
PGLA VIO 3-0 X 45-22MM HC RC	PGN3079013	3-0		22 mm 1/2 Circle Reverse Cutting	45	12	VIO
PGLA VIO 3-0 X 70-22MM HC RC	PGN300460	3-0		22 mm 1/2 Circle Reverse Cutting	70	12	VIO
PGLA VIO 3-0 X 70-22MM HC RB	PGN300311	3-0		22 mm 1/2 Circle Round Body	70	12	VIO
PGLA UND 3-0 X 90-24MM CU RC	PGN300442	3-0		24 mm 3/8 Circle Reverse Cutting	90	12	UND
PGLA VIO 3-0 X 45-26MM CU RC	PGN3078713	3-0		26 mm 3/8 Circle Reverse Cutting	45	12	VIO
PGLA UND 3-0 X 70-26MM HC RC	PGN300868	3-0		26 mm 1/2 Circle Reverse Cutting	70	12	UND
PGLA VIO 3-0 X 90-26MM HC RB	PGN300527	3-0		26 mm 1/2 Circle Round Body	90	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA UND 3-0 X 90-36MM HC RB	PGN300344	3-0		36 mm 1/2 Circle Round Body	90	12	UND
PGLA VIO 3-0 X 90-40MM HC RC	PGN30 9389	3-0		40 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGLA VIO 3-0 X 90-40MM HC RB	PGN30 9388	3-0		40 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 3-0 X 75-30MM HC RB	PGN30864	3-0		30 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 3-0 X 75-25MM HC RB	PGN300528	3-0		25 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 3-0 X 70-25MM HC RB	PGN300526	3-0		25 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 3-0 X 75-17MM HC TC	PGN300216	3-0		17 mm 1/2 Circle Taper Cut	75	12	VIO
PGLA VIO 3-0 X 90-35MM HC RB	PGN300738	3-0		35 mm 1/2 Circle Round Body	90	12	VIO
PGLA VIO 3-0 X 90-25MM CU RB	PGN309325	3-0		25 mm 3/8 Circle Round Body	90	12	VIO
PGLA VIO 3-0 X 90-26MM HC CT	PGN309326	3-0		26 mm 1/2 Circle Conventional Cutting	90	12	VIO
PGLA VIO 3-0 X 75-26MM CU RC	PGN3078713XL	3-0		26 mm 3/8 Circle Reverse Cutting	75	12	VIO
PGLA VIO 3-0 X 70-60MM ST CT	PGN300664	3-0		60 mm Straight Conventional Cutting	70	12	VIO
PGLA VIO 3-0 X 70-19MM CU RC	PGN300398	3-0		19 mm 3/8 Circle Reverse Cutting	70	12	VIO
PGLA UND 3-0 X 75-30MM CU RC	PGN309330U	3-0		30 mm 3/8 Circle Reverse Cutting	75	12	UND
PGLA VIO 3-0 X 75-30MM CU RC	PGN309329	3-0		30 mm 3/8 Circle Reverse Cutting	75	12	VIO
PGLA VIO 3-0 X 70-30MM HC RC	PGN309330	3-0		30 mm 1/2 Circle Reverse Cutting	70	12	VIO
PGLA VIO 3-0 X 70-26MM HC RB VB	PGN30 2123	3-0		26 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 3-0 X 45-17MM HC TC	PGN30 2515	3-0		17 mm 1/2 Circle Taper Cut	45	12	VIO
PGLA VIO 3-0 X 70-12MM HC RB	PGN30 2427	3-0		12 mm 1/2 Circle Round Body	70	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA UND 4-0 X 70-19MM CU RC	PGN400422	4-0		19 mm 3/8 Circle Reverse Cutting	70	12	UND
PGLA UND 4-0 X 45-19MM CU RC	PGN400496	4-0		19 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA UND 4-0 X 45-08MM HC RC	PGN400504	4-0		8 mm 1/2 Circle Reverse Cutting	45	12	UND
PGLA VIO 4-0 X 45-12MM HC RB	PGN4074313	4-0		12 mm 1/2 Circle Round Body	45	12	VIO
PGLA UND 4-0 X 45-12MM HC RB	PGN400434	4-0		12 mm 1/2 Circle Round Body	45	12	UND
PGLA UND 4-0 X 45-16MM CU CT	PGN400845	4-0		16 mm 3/8 Circle Conventional Cutting	45	12	UND
PGLA UND 4-0 X 45-17MM HC RB	PGN400714	4-0		17 mm 1/2 Circle Round Body	45	12	UND
PGLA UND 4-0 X 70-17MM HC RB	PGN400214	4-0		17 mm 1/2 Circle Round Body	70	12	UND
PGLA VIO 4-0 X 45-22MM HC RB	PGN4077113	4-0		22 mm 1/2 Circle Round Body	45	12	VIO
PGLA VIO 4-0 X 70-22MM HC RB	PGN400310	4-0		22 mm 1/2 Circle Round Body	70	12	VIO
PGLA UND 4-0 X 45-24MM CU RC	PGN400682	4-0		24 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA UND 4-0 X 70-24MM CU RC	PGN400935	4-0		24 mm 3/8 Circle Reverse Cutting	70	12	UND
PGLA UND 4-0 X 70-26MM CU RC	PGN400441	4-0		26 mm 3/8 Circle Reverse Cutting	70	12	UND
PGLA VIO 4-0 X 70-24MM CU RC	PGN400451	4-0		24 mm 3/8 Circle Reverse Cutting	70	12	VIO
PGLA VIO 4-0 X 45-26MM HC RB	PGN400773	4-0		26 mm 1/2 Circle Round Body	45	12	VIO
PGLA VIO 4-0 X 70-26MM HC RB	PGN400315	4-0		26 mm 1/2 Circle Round Body	70	12	VIO
PGLA UND 4-0 X 45-13MM CU RC	PGN400464	4-0		13 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA VIO 4-0 X 75-16MM HC RB	PGN400715	4-0		16 mm 1/2 Circle Round Body	75	12	VIO
PGLA VIO 4-0 X 75-16MM CU RB	PGN400846	4-0		16 mm 3/8 Circle Round Body	75	12	VIO
PGLA VIO 4-0 X 60-13MM CU RB	PGN400465	4-0		13 mm 3/8 Circle Round Body	60	12	VIO
PGLA VIO 4-0 X 70-19MM CU RC	PGN400397	4-0		19 mm 3/8 Circle Reverse Cutting	70	12	VIO
PGLA VIO 4-0 X 70-17MM HC TC	PGN409417	4-0		17 mm 1/2 Circle Taper Cut	70	12	VIO
PGLA VIO 4-0 X 75-26MM HC RB	PGN409425	4-0		26 mm 1/2 Circle Round Body	75	12	VIO

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MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA UND 4-0 X 45-13MM CU CT	PGN4083565U	4-0		13 mm 3/8 Circle Conventional Cutting	45	12	UND
PGLA VIO 4-0 X 75-30MM HC RB	PGN409430	4-0		30 mm 1/2 Circle Round Body	75	12	VIO
PGLA UND 4-0 X 70-26MM HC RB	PGN400415U	4-0		26 mm 1/2 Circle Round Body	70	12	UND
PGLA UND 5-0 X 90 -08MM HC SM	PGN509567	5-0		8 mm 1/2 Circle Spatula Micropoint	90	12	UND
PGLA VIO 5-0 X 90-16MM CU RC	PGN509436	5-0		16 mm 3/8 Circle Reverse Cutting	90	12	VIO
PGLA VIO 5-0 X 45-16MM HC RB	PGN50 2303	5-0		16 mm 1/2 Circle Round Body	45	12	VIO
PGLA VIO 5-0 X 45-12MM CU RC	PGN50 2493	5-0		12 mm 3/8 Circle Reverse Cutting	45	12	VIO
PGLA UND 5-0 X 70-13MM HC RB	PGN500433	5-0		13 mm 1/2 Circle Round Body	70	12	UND
PGLA UND 5-0 X 45-08MM QC SM	PGN500671	5-0		8 mm 1/4 Circle Spatula Micropoint	45	12	UND
PGLA UND 5-0 X 45-11MM HC RC	PGN500511	5-0		11 mm 1/2 Circle Reverse Cutting	45	12	UND
PGLA UND 5-0 X 45-11MM CU RC	PGN500490	5-0		11 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA UND 5-0 X 45-13MM CU CT	PGN5083465	5-0		13 mm 3/8 Circle Conventional Cutting	45	12	UND
PGLA UND 5-0 X 45-16MM CU CT	PGN500844	5-0		16 mm 3/8 Circle Conventional Cutting	45	12	UND
PGLA UND 5-0 X 45-16MM HC RC	PGN500506	5-0		16 mm 1/2 Circle Reverse Cutting	45	12	UND
PGLA UND 5-0 X 70-17MM HC RB	PGN500213	5-0		17 mm 1/2 Circle Round Body	70	12	UND
PGLA UND 5-0 X 45-19MM CU RC	PGN500495	5-0		19 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA UND 5-0 X 45-16MM CU RC	PGN500500	5-0		16 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA VIO 5-0 X 45-19MM CU RC	PGN500391	5-0		19 mm 3/8 Circle Reverse Cutting	45	12	VIO
PGLA VIO 5-0 X 75-16MM CU CT	PGN500845	5-0		16 mm 3/8 Circle Conventional Cutting	75	12	VIO
PGLA VIO 5-0 X 75-26MM HC RB	PGN509526	5-0		26 mm 1/2 Circle Round Body	75	12	VIO
PGLA UND 5-0 X 45-13MM CU RC	PGN50 2872U	5-0		13 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA VIO 5-0 X 70-10MM CU RB	PGN50 2395	5-0		10 mm 3/8 Circle Round Body	70	12	VIO
PGLA VIO 5-0 X 45-16MM CU CT	PGN50 2442	5-0		16 mm 3/8 Circle Conventional Cutting	45	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA UND 5-0 X 45-16MM CC RC	PGN50 2464U	5-0		16 mm Compound Curve Reverse Cutting	45	12	UND
PGLA VIO 5-0 X 45-10MM HC RC	PGN50 511	5-0		10 mm 1/2 Circle Reverse Cutting	45	12	VIO
PGLA VIO 5-0 X 70-19MM CU RC	PGN500396	5-0		19 mm 3/8 Circle Reverse Cutting	70	12	VIO
PGLA VIO 5-0 X 45 -8MM QC SM DN	PGN5013383	5-0		8 mm 1/4 Circle Spatula Micropoint Spatula Micropoint	45	12	VIO
PGLA VIO 5-0 X 75-17MM HC RB	PGN509105	5-0		17 mm 1/2 Circle Round Body	75	12	VIO
PGLA UND 5-0 X 45-13MM HC RB	PGN509982	5-0		13 mm 1/2 Circle Round Body	45	12	UND
PGLA UND 5-0 X 45 -11MM CU SM	PGN509761	5-0		11 mm 3/8 Circle Spatula Micropoint	45	12	UND
PGLA VIO 5-0 X 90 -08MM HC SM	PGN509567V	5-0		8 mm 1/2 Circle Spatula Micropoint	90	12	VIO
PGLA UND 5-0 X 45-13MM CU RC EX	PGN500463	5-0		13 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA VIO 5-0 X 45-16MM HC RB C1	PGN50 2403	5-0		16 mm 1/2 Circle Round Body	45	12	VIO
PGLA UND 5-0 X 45 -8MM HC SM DN	PGN509567DN	5-0		8 mm 1/2 Circle Spatula Micropoint Spatula Micropoint	45	12	UND
PGLA UND 5-0 X 45-08MM QC SM DN	PGN509753U	5-0		8 mm 1/4 Circle Spatula Micropoint Spatula Micropoint	45	12	UND
PGLA VIO 5-0 X 45-13MM CU RC DN	PGN500557	5-0		13 mm 3/8 Circle Reverse Cutting Reverse Cutting	45	12	VIO
PGLA VIO 5-0 X 45 -8MM HC SM DN	PGN509567VDN	5-0		8 mm 1/2 Circle Spatula Micropoint Spatula Micropoint	45	12	VIO
PGLA UND 5-0 X 75-17MM CU TC	PGN509824U	5-0		17 mm 3/8 Circle Taper Cut	75	12	UND
PGLA VIO 5-0 X 70-13MM HC RB	PGN500433V	5-0		13 mm 1/2 Circle Round Body	70	12	VIO
PGLA UND 5-0 X 45-19MM CU CT	PGN500822U	5-0		19 mm 3/8 Circle Conventional Cutting	45	12	UND
PGLA VIO 6-0 X 30-9.3MM CU RB	PGN60 9575	6-0		9.3 mm 3/8 Circle Round Body	30	12	VIO
PGLA VIO 6-0 X 30-10MM FE TC	PGN60 9172	6-0		10 mm 5/8 Circle Taper Cut	30	12	VIO
PGLA VIO 6-0 X 45-8MM QC SM DN	PGN60 2670DN	6-0		8 mm 1/4 Circle Spatula Micropoint Spatula Micropoint	45	12	VIO

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Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA VIO 6-0 X 70-13MM HC RB	PGN600134	6-0		13 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 6-0 X 45-8MM HC SM	PGN600562	6-0		8 mm 1/2 Circle Spatula Micropoint	45	12	VIO
PGLA UND 6-0 X 45-11MM HC RC	PGN600510	6-0		11 mm 1/2 Circle Reverse Cutting	45	12	UND
PGLA UND 6-0 X 45-13MM CU RC	PGN600492	6-0		13 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA UND 6-0 X 70-17MM HC RB	PGN600212	6-0		17 mm 1/2 Circle Round Body	70	12	UND
PGLA UND 6-0 X 45-13MM CU CT	PGN60 2831U	6-0		13 mm 3/8 Circle Conventional Cutting	45	12	UND
PGLA VIO 6-0 X 45-08MM QC SM DN	PGN60 9552DN	6-0		8 mm 1/4 Circle Spatula Micropoint Spatula Micropoint	45	12	VIO
PGLA VIO 6-0 X 30-10MM FE RB	PGN609610	6-0		10 mm 5/8 Circle Round Body	30	12	VIO
PGLA UND 6-0 X 45-8MM QC SM DN	PGN609752	6-0		8 mm 1/4 Circle Spatula Micropoint Spatula Micropoint	45	12	UND
PGLA UND 6-0 X 45-13MM HC RB	PGN609981	6-0		13 mm 1/2 Circle Round Body	45	12	UND
PGLA VIO 6-0 X 45-08MM QC SM DN C1	PGN600563	6-0		8 mm 1/4 Circle Spatula Micropoint Spatula Micropoint	45	12	VIO
PGLA UND 6-0 X 45-13MM CU CT EX	PGN6083365	6-0		13 mm 3/8 Circle Conventional Cutting	45	12	UND
PGLA VIO 6-0 X 45-12MM CU RC	PGN60 2671	6-0		12 mm 3/8 Circle Reverse Cutting	45	12	VIO
PGLA UND 6-0 X 45-8MM HC SM DN	PGN609756DN	6-0		8 mm 1/2 Circle Spatula Micropoint Spatula Micropoint	45	12	UND
PGLA UND 6-0 X 45-11MM CU SM DN	PGN609760DN	6-0		11 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	45	12	UND
PGLA VIO 6-0 X 45-8MM HC SM DN	PGN609566DN	6-0		8 mm 1/2 Circle Spatula Micropoint Spatula Micropoint	45	12	VIO
PGLA VIO 6-0 X 45-11MM CU RC DN	PGN609537	6-0		11 mm 3/8 Circle Reverse Cutting Reverse Cutting	45	12	VIO
PGLA VIO 6-0 X 45-8MM QC SM DN-3D	PGN602670DNZ	6-0		8 mm 1/4 Circle Spatula Micropoint Spatula Micropoint	45	36	VIO
PGLA UND 6-0 X 45-16MM CU RC	PGN600499U	6-0		16 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA UND 6-0 X 45-11MM CU RC	PGN600489U	6-0		11 mm 3/8 Circle Reverse Cutting	45	12	UND

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)							
PGLA VIO 6-0 X 70-17MM HC RB	PGN600212V	6-0		17 mm 1/2 Circle Round Body	70	12	VIO
PGLA VIO 7-0 X 30-06MM CU SM	PGN70 2561	7-0		6 mm 3/8 Circle Spatula Micropoint	30	12	VIO
PGLA VIO 7-0 X 45-7MM HC SM	PGN709565	7-0		7 mm 1/2 Circle Spatula Micropoint	45	12	VIO
PGLA VIO 7-0 X 30-6.5MM CU SM DN	PGN70 9561DN	7-0		6.5 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	30	12	VIO
PGLA VIO 7-0 X 90-6.5MM CU SM DN	PGN709561	7-0		6.5 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	90	12	VIO
PGLA VIO 7-0 X 30-5MM HC SM	PGN700575	7-0		5 mm 1/2 Circle Spatula Micropoint	30	12	VIO
PGLA VIO 7-0 X 45-7MM HC SM DN	PGN709565DN	7-0		7 mm 1/2 Circle Spatula Micropoint Spatula Micropoint	45	12	VIO
PGLA VIO 8-0 X 30-9MM CU RB	PGN80 9577	8-0		9 mm 3/8 Circle Round Body	30	12	VIO
PGLA VIO 8-0 X 30-6MM CU SM DN	PGN80 2348DN	8-0		6 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	30	12	VIO
PGLA VIO 8-0 X 30-08MM CU RB	PGN80 2301	8-0		8 mm 3/8 Circle Round Body	30	12	VIO
PGLA VIO 8-0 X 30-6.5MM CU SM DN	PGN80 9560DN	8-0		6.5 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	30	12	VIO
PGLA VIO 8-0 X 90-7.5MM HC SM DN	PGN809564	8-0		7.5 mm 1/2 Circle Spatula Micropoint Spatula Micropoint	90	12	VIO
PGLA VIO 8-0 X 45-6MM CU SM DN	PGN809559	8-0		6 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	45	12	VIO
PGLA VIO 8-0 X 30-6MM CU SM	PGN809558	8-0		6 mm 3/8 Circle Spatula Micropoint	30	12	VIO
PGLA VIO 8-0 X 45-6MM CU SM	PGN800547	8-0		6 mm 3/8 Circle Spatula Micropoint	45	12	VIO
PGLA VIO 9-0 X 10-6.5MM CU SM	PGN900950	9-0		6.5 mm 3/8 Circle Spatula Micropoint	10	12	VIO

Description	FG Code	Size	Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)						
PGLA VIO 0 X 350 (70X5)	PGN100208	0	Non needed	70	12	VIO
PGLA VIO 0 X 540 (12X45)	PGN100209	0	Non needed	45	12	VIO
PGLA VIO 0 X 75	PGN100675	0	Non needed	75	12	VIO
PGLA VIO 0 X 135 (45X3)	PGNS10 2601	0	Non needed	45	12	VIO
PGLA VIO 0 X 150	PGN109026	0	Non needed	150	12	VIO
PGLA VIO 0 X 60	PGN100114	0	Non needed	60	12	VIO
PGLA VIO 0 X 50 (50X3)	PGN100617	0	Non needed	50	12	VIO
PGLA VIO 0 X 250	PGN100250	0	Non needed	250	12	VIO
PGLA VIO 0 X 45 (45X3)	PGN100616	0	Non needed	45	12	VIO
PGLA VIO 0 X 60 (60X12)	PGNS100034	0	Non needed	60	12	VIO
PGLA UND 0 X 180 (60X6)	PGN100207U	0	Non needed	60	12	UND
PGLA UND 0 X 45 (12X45)	PGNS100912U	0	Non needed	45	12	UND
PGLA VIO 0 X 45 (45X6)	PGN101227	0	Non needed	45	12	VIO
PGLA VIO 1 X 45 (45X3)	PGN016173	1	Non needed	45	12	VIO
PGLA VIO 1 X 350 (70X5)	PGN016175	1	Non needed	70	12	VIO
PGLA VIO 1 X 75	PGN010908	1	Non needed	75	12	VIO
PGLA VIO 1 X 150	PGN019027	1	Non needed	150	12	VIO
PGLA VIO 1 X 60	PGN010115	1	Non needed	60	12	VIO
PGLA VIO 1 X 250-2D	PGN01250Y	1	Non needed	250	24	VIO
PGLA VIO 1 X 250 (50X5)	PGN010617	1	Non needed	50	12	VIO
PGLA VIO 1 X 540 (45X12)	PGN014512	1	Non needed	45	12	VIO
PGLA VIO 1 X 45 (45X6)	PGNS011228	1	Non needed	45	12	VIO
PGLA VIO 1 X 60 (60X13)	PGNS016013	1	Non needed	60	12	VIO
PGLA VIO 1 X 45 (45X13)	PGNS014513	1	Non needed	45	12	VIO
PGLA UND 1 X 45 (45x6)	PGNS014506U	1	Non needed	45	12	VIO
PGLA VIO 2 X 45 (45X3)	PGN026183	2	Non needed	45	12	VIO
PGLA VIO 2 X 45(12X45)	PGNS020908	2	Non needed	45	12	VIO
PGLA UND 2 X 45 (12X45)	PGNS020914U	2	Non needed	45	12	UND
PGLA VIO 2 X 150	PGN020116	2	Non needed	150	12	VIO
PGLA VIO 2 X 80	PGNS02080	2	Non needed	80	12	VIO
PGLA VIO 1 X 250	PGN01250	1	Non needed	250	12	VIO
PGLA VIO 2-0 X 45	PGN200105	2-0	Non needed	45	12	VIO
PGLA VIO 2-0 X 150 (50X3)	PGN200616	2-0	Non needed	50	12	VIO
PGLA VIO 2-0 X 540 (45X12)	PGN200617	2-0	Non needed	45	12	VIO
PGLA VIO 2-0 X 250 (50X5)	PGN200613	2-0	Non needed	50	12	VIO
PGLA VIO 2-0 X 350 (70X5)	PGN201216	2-0	Non needed	35	12	VIO
PGLA VIO 2-0 X 270 (45X6)	PGN201226	2-0	Non needed	45	12	VIO
PGLA VIO 2-0 X 135 (45X3)	PGNS20 2602	2-0	Non needed	45	12	VIO
PGLA VIO 2-0 X 150	PGN209025	2-0	Non needed	150	12	VIO
PGLA VIO 2-0 X 45 (45X3)	PGN200615	2-0	Non needed	45	12	VIO
PGLA VIO 2-0 X 60 (60X12)	PGNS20033	2-0	Non needed	60	12	VIO
PGLA VIO 2-0 X 75 (75X6)	PGNS200039	2-0	Non needed	75	12	VIO
PGLA VIO 2-0 X 250-2D	PGN200223Y	2-0	Non needed	250	24	VIO
PGLA VIO 2-0 X 250	PGN200223	2-0	Non needed	250	12	VIO

Description	FG Code	Size	Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910)						
PGLA UND 2-0 X 135 (45X3)	PGN200286U	2-0	Non needled	45	12	UND
PGLA VIO 2-0 X 80	PGNS20080	2-0	Non needled	80	12	VIO
PGLA VIO 2-0 X 60 (60X13)	PGNS206013	2-0	Non needled	60	12	VIO
PGLA UND 2-0 X 45 (45x12)	PGNS204512U	2-0	Non needled	45	12	VIO
PGLA VIO 3-0 X 45 (45X3)	PGN300414	3-0	Non needled	45	12	VIO
PGLA VIO 3-0 X 45 (45X6)	PGN300180	3-0	Non needled	45	12	VIO
PGLA VIO 3-0 X 135 (45X3)	PGNS30 2603	3-0	Non needled	45	12	VIO
PGLA VIO 3-0 X 250 (50X5)	PGN300614	3-0	Non needled	50	12	VIO
PGLA VIO 3-0 X 540 (45X12)	PGN300904	3-0	Non needled	45	12	VIO
PGLA VIO 3-0 X 150	PGN309024	3-0	Non needled	150	12	VIO
PGLA VIO 3-0 X 70 (70X5)	PGNS308445	3-0	Non needled	70	12	VIO
PGLA VIO 3-0 X 60 (60X12)	PGNS300032	3-0	Non needled	60	12	VIO
PGLA VIO 3-0 X 80	PGNS30080	3-0	Non needled	80	12	VIO
PGLA VIO 4-0 X 45 (45X3)	PGN400515	4-0	Non needled	45	12	VIO
PGLA VIO 4-0 X 135 (45X3)	PGNS40 2604	4-0	Non needled	45	12	VIO
PGLA VIO 4-0 X 45 (45X12)	PGN400903	4-0	Non needled	45	12	VIO
PGLA VIO 4-0 X 45(45X6)	PGNS401224	4-0	Non needled	45	12	VIO
PGLA UND 4-0 X 45 (45X6)	PGNS400977U	4-0	Non needled	45	12	UND
PGLA UND 4-0 X 135 (45X3)	PGN400284U	4-0	Non needled	45	12	UND
PGLA VIO 4-0 X 80	PGNS40080	4-0	Non needled	80	12	VIO
PGLA VIO 5-0 X 150	PGNS509022	5-0	Non needled	150	12	VIO

MITSU C+™

Polyglactin 910 Suture with Chlorhexidine

Properties

- Retention of 75% knot tensile strength after 14 days
- Retention of 50% knot tensile strength after 21 days
- Complete mass absorption within 56 to 70 days

Indications

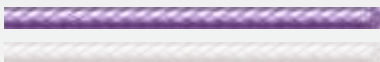
- Gastrointestinal procedures
- Gynaecology/Obstetric procedures
- Orthopedic procedures
- Urology procedures
- Skin closure (intracutaneous, subcutaneous)
- Ligatures

Advantages

- Smooth knot run-down/Knot slide
- Gentle knot repositioning
- Excellent knot security
- Minimal inflammatory reaction



Product Overview

Structure	: Multifilament, Braided
Colour	: Dyed, Undyed
	
Chemical composition	: Poly(glycolide-co-L-lactide 90/10)
Coating	: Poly(glycolide-co-L-lactide 30/70) + Calcium Stearate + antibacterial agent Chlorhexidine
Sizes	: USP 5/0 (metric 1) - USP 2 (metric 5)
Type of absorption	: Hydrolysis
Sterilization	: Ethylene oxide

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU C+ (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910 WITH CHLORHEXIDINE)							
PGLA C PLUS VIO 0 X 90-30MM HC RB	PGP10 2338	0		30 mm 1/2 Circle Round Body	90	12	VIO
PGLA C PLUS VIO 0 X 90-40MM HC RB TN	PGP10 2346	0		40 mm 1/2 Circle Round Body	90	12	VIO
PGLA C PLUS VIO 0 X 90-40MM HC RB TH	PGP10 2358	0		40 mm 1/2 Circle Round Body	90	12	VIO
PGLA C PLUS VIO 0 X 90-40MM HC TC	PGP10 2518	0		40 mm 1/2 Circle Taper Cut	90	12	VIO
PGLA C PLUS VIO 0 X 90-36MM HC RC	PGP10 2534	0		36 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGLA C PLUS VIO 0 X 70-26MM HC RB	PGP100334	0		26 mm 1/2 Circle Round Body	70	12	VIO
PGLA C PLUS VIO 0 X 70-36MM HC RB	PGP100341	0		36 mm 1/2 Circle Round Body	70	12	VIO
PGLA C PLUS VIO 0 X 45-48MM HC RB	PGP100764	0		48 mm 1/2 Circle Round Body	45	12	VIO
PGLA C PLUS UND 0 X 90-40MM HC TC	PGP109901	0		40 mm 1/2 Circle Taper Cut	90	12	UND
PGLA C PLUS VIO 0 X 90-36MM HC TC	PGP10 2517	0		36 mm 1/2 Circle Taper Cut	90	12	VIO
PGLA C PLUS UND 0 X 90-36MM HC RB	PGP10 946U	0		36 mm 1/2 Circle Round Body	90	12	UND
PGLA C PLUS VIO 0 X 70-36MM FE RB	PGP100376	0		36 mm 5/8 Circle Round Body	70	12	VIO
PGLA C PLUS VIO 0 X 70-26MM FE RB	PGP100603	0		26 mm 5/8 Circle Round Body	70	12	VIO
PGLA C PLUS VIO 1 X 90-40MM HC RB TN	PGP01 2347	1		40 mm 1/2 Circle Round Body	90	12	VIO
PGLA C PLUS VIO 1 X 120-36MM HC RB	PGP01 2350	1		36 mm 1/2 Circle Round Body	120	12	VIO
PGLA C PLUS VIO 1 X 90-40MM HC RC	PGP01 2421	1		40 mm 1/2 Circle Reverse Cutting	90	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU C+ (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910 WITH CHLORHEXIDINE)							
PGLA C PLUS UND 3-0 X 70-24MM CU CT	PGP30 936U	3-0		24 mm 3/8 Circle Conventional Cutting	70	12	UND
PGLA C PLUS VIO 3-0 X 45-17MM HC RB	PGP300306	3-0		17 mm 1/2 Circle Round Body	45	12	VIO
PGLA C PLUS VIO 3-0 X 70-36MM HC RB	PGP300338	3-0		36 mm 1/2 Circle Round Body	70	12	VIO
PGLA C PLUS UND 3-0 X 70-60MM ST CT	PGP300663U	3-0		60 mm Straight Conventional Cutting	70	12	UND
PGLA C PLUS VIO 4-0 X 70-20MM HC RB	PGP40 2304	4-0		20 mm 1/2 Circle Round Body	70	12	VIO
PGLA C PLUS VIO 4-0 X 70-17MM HC RB	PGP400304	4-0		17 mm 1/2 Circle Round Body	70	12	VIO
PGLA C PLUS UND 4-0 X 70-60MM ST CT	PGP400662U	4-0		60 mm Straight Conventional Cutting	70	12	UND
PGLA C PLUS VIO 4-0 X 70-26MM HC RB	PGP400774	4-0		26 mm 1/2 Circle Round Body	70	12	VIO
PGLA C PLUS VIO 5-0 X 70-17MM HC RB	PGP500303	5-0		17 mm 1/2 Circle Round Body	70	12	VIO
PGLA C PLUS VIO 5-0 X 45-16MM HC RB	PGP50 2303	5-0		16 mm 1/2 Circle Round Body	45	12	VIO
PGLA C PLUS VIO 0 X 350 (70X5)	PGP101217	0		Non needled	70	12	VIO

MITSU FST™

Polyglactin 910 Fast Suture

Properties

- 50% of the original is retained until initial 5 Days
- approximately 10-14 Days post implantation, the original tensile strength is completely lost
- Complete absorption usually takes place by 42 Days

Indications

- Gynaecology/Obstetric procedures (e.g.: episiotomy repair)
- Urology procedures
- Ophthalmic procedures (e.g.: conjunctiva suturing)
- Odontology procedures (e.g.: oral mucosa)
- Skin closure (intracutaneous, subcutaneous)
- Ligatures

Advantages

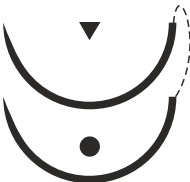
- High initial tensile strength
- Predictable and constant degradation rate
- Excellent knot security
- Excellent handling properties
- Quick mass absorption



Product Overview

Structure	: Multifilament, Braided
Colour	: Undyed
Chemical composition	: Poly(glycolide-co-l-lactide 90/10)
Sizes	: USP 8/0 (metric 0.7) - USP 2 (metric 5)
Type of absorption	: Hydrolysis
Sterilization	: Gamma radiation

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU FST (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910 FAST)							
PGLA FAST UND 0 X 110-36MM HC TC	PGF10 2763	0		36 mm 1/2 Circle Taper Cut	110	12	UND
PGLA FAST UND 0 X 90-40MM HC RB	PGF109977	0		40 mm 1/2 Circle Round Body	90	12	UND
PGLA FAST UND 0 X 90-48MM HC RB	PGF1016951	0		48 mm 1/2 Circle Round Body	90	12	UND
PGLA FAST UND 0 X 90-36MM HC RB	PGF109036	0		36 mm 1/2 Circle Round Body	90	12	UND
PGLA FAST UND 0 X 60-36MM CU RC	PGF10 2721	0		36 mm 3/8 Circle Reverse Cutting	60	12	UND
PGLA FAST UND 0 X 110-40MM HC RB	PGF10 2763RB	0		40 mm 1/2 Circle Round Body	110	12	UND
PGLA FAST UND 0 X 90-36MM HC TC	PGF10 9963	0		36 mm 1/2 Circle Taper Cut	90	12	UND
PGLA FAST UND 0 X 90-30MM CU RC-3D	PGF102287Z	0		30 mm 3/8 Circle Reverse Cutting	90	36	UND
PGLA FAST UND 1 X 90-40MM HC TC	PGF016190	1		40 mm 1/2 Circle Taper Cut	90	12	UND
PGLA FAST UND 1 X 90-40MM HC RB	PGF016191	1		40 mm 1/2 Circle Round Body	90	12	UND
PGLA FAST UND 1 X 90-36MM HC RB	PGF016192	1		36 mm 1/2 Circle Round Body	90	12	UND
PGLA FAST UND 1 X 90-48MM HC RB	PGF016193	1		48 mm 1/2 Circle Round Body	90	12	UND
PGLA FAST UND 1 X 90-36MM HC TC	PGF019190	1		36 mm 1/2 Circle Taper Cut	90	12	UND
PGLA FAST UND 0 X 90-45MM HC TC	PGF109947	0		45 mm 1/2 Circle Taper Cut	90	12	UND
PGLA FAST UND 2-0 X 90-40MM HC TC	PGF209946	2-0		40 mm 1/2 Circle Taper Cut	90	12	UND
PGLA FAST UND 2-0 X 90-35MM CU RC	PGF209938	2-0		35 mm 3/8 Circle Reverse Cutting	90	12	UND
PGLA FAST UND 2-0 X 100-36MM HC TC	PGF20 2761	2-0		36 mm 1/2 Circle Taper Cut	100	12	UND

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU FST (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910 FAST)							
PGLA FAST UND 2-0 X 90-36MM HC TC	PGF20 2762	2-0		36 mm 1/2 Circle Taper Cut	90	12	UND
PGLA FAST UND 2-0 X 140-36MM HC RC RB DN	PGF20 2777DN	2-0		36 mm 1/2 Circle Reverse Cutting Round Body	140	12	UND
PGLA FAST UND 2-0 X 75-31MM HC RB	PGF209975	2-0		31 mm 1/2 Circle Round Body	75	12	UND
PGLA FAST UND 2-0 X 90-48MM HC RB	PGF209978	2-0		48 mm 1/2 Circle Round Body	90	12	UND
PGLA FAST UND 2-0 X 70-26MM HC RB	PGF204171	2-0		26 mm 1/2 Circle Round Body	70	12	UND
PGLA FAST UND 2-0 X 90-36MM HC RB	PGF209451	2-0		36 mm 1/2 Circle Round Body	90	12	UND
PGLA FAST UND 2-0 X 135-36MM HC RB RC DN	PGF209321	2-0		36 mm 1/2 Circle Round Body Reverse Cutting	135	12	UND
PGLA FAST UND 2-0 X 90-36MM HC RC	PGF209236	2-0		36 mm 1/2 Circle Reverse Cutting	90	12	UND
PGLA FAST UND 2-0 X 70-19MM CU RC	PGF200428	2-0		19 mm 3/8 Circle Reverse Cutting	70	12	UND
PGLA FAST UND 2-0 X 60-36MM CU RC	PGF20 2720	2-0		36 mm 3/8 Circle Reverse Cutting	60	12	UND
PGLA FAST UND 2-0 X 110-36MM HC TC	PGF20 2762XL	2-0		36 mm 1/2 Circle Taper Cut	110	12	UND
PGLA FAST UND 2-0 X 120-36MM HC TC	PGF209948	2-0		36 mm 1/2 Circle Taper Cut	120	12	UND
PGLA FAST UND 2-0 X 75-26MM CU RC	PGF20 9933	2-0		26 mm 3/8 Circle Reverse Cutting	75	12	UND
PGLA FAST UND 2-0 X 100-36MM HC TC SP	PGF20 2761SP	2-0		36 mm 1/2 Circle Taper Cut	100	12	UND
PGLA FAST UND 2-0 X 90-36MM HC TC SP	PGF20 2762SP	2-0		36 mm 1/2 Circle Taper Cut	90	12	UND

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU FST (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910 FAST)							
PGLA FAST UND 2-0 X 90-26MM CU RC	PGF209941	2-0		26 mm 3/8 Circle Reverse Cutting	90	12	UND
PGLA FAST UND 2-0 X 90-26MM CU RC-3D	PGF209941Z	2-0		26 mm 3/8 Circle Reverse Cutting	90	36	UND
PGLA FAST UND 2-0 X 75-24MM CU RC-3D	PGF209275Z	2-0		24 mm 3/8 Circle Reverse Cutting	75	36	UND
PGLA FAST UND 2-0 X 75-60MM ST CT	PGF209944	2-0		60 mm Straight Conventional Cutting	75	12	UND
PGLA FAST UND 3-0 X 75-16MM CU CT	PGF30 9919	3-0		16 mm 3/8 Circle Conventional Cutting	75	12	UND
PGLA FAST UND 3-0 X 90-60MM ST CT	PGF309943	3-0		60 mm Straight Conventional Cutting	90	12	UND
PGLA FAST UND 3-0 X 90-25MM FE RB	PGF309929	3-0		25 mm 5/8 Circle Round Body	90	12	UND
PGLA FAST UND 3-0 X 90-35MM CU RC	PGF309937	3-0		35 mm 3/8 Circle Reverse Cutting	90	12	UND
PGLA FAST UND 3-0 X 70-26MM CU RC	PGF30 2732	3-0		26 mm 3/8 Circle Reverse Cutting	70	12	UND
PGLA FAST UND 3-0 X 45-26MM CU RC	PGF30 2732SL	3-0		26 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA FAST UND 3-0 X 75-19MM CU RC	PGF309923	3-0		19 mm 3/8 Circle Reverse Cutting	75	12	UND
PGLA FAST UND 3-0 X 75-22MM HC RB	PGF309974	3-0		22 mm 1/2 Circle Round Body	75	12	UND
PGLA FAST UND 3-0 X 90-36MM HC RB	PGF309441	3-0		36 mm 1/2 Circle Round Body	90	12	UND
PGLA FAST UND 3-0 X 45-22MM HC CT	PGF30 9935	3-0		22 mm 1/2 Circle Conventional Cutting	45	12	UND
PGLA FAST UND 3-0 X 70-18MM HC RB	PGF300318	3-0		18 mm 1/2 Circle Round Body	70	12	UND
PGLA FAST UND 3-0 X 45-16MM CU CT	PGF30 2719	3-0		16 mm 3/8 Circle Conventional Cutting	45	12	UND
PGLA FAST UND 3-0 X 70-22MM HC CT	PGF30 2735	3-0		22 mm 1/2 Circle Conventional Cutting	70	12	UND
PGLA FAST UND 3-0 X 70-26MM HC RB	PGF30 2764	3-0		26 mm 1/2 Circle Round Body	70	12	UND
PGLA FAST UND 3-0 X 45-60MM ST CT	PGF309943SL	3-0		60 mm Straight Conventional Cutting	45	12	UND
PGLA FAST UND 3-0 X 75-26MM CU RC	PGF309932	3-0		26 mm 3/8 Circle Reverse Cutting	75	12	UND

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MITSU FST (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLACTIN 910 FAST)							
PGLA FAST UND 5-0 X 45-11MM CU RC	PGF50 9915	5-0		11 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA FAST UND 5-0 X 75-16MM CU RC	PGF502296	5-0		16 mm 3/8 Circle Reverse Cutting	75	12	UND
PGLA FAST UND 5-0 X 70-12MM CU RC	PGF502493	5-0		12 mm 3/8 Circle Reverse Cutting	70	12	UND
PGLA FAST UND 5-0 X 45-16MM CU CT	PGF508441	5-0		16 mm 3/8 Circle Conventional Cutting	45	12	UND
PGLA FAST UND 6-0 X 45-11MM CU RC	PGF60 9913	6-0		11 mm 3/8 Circle Reverse Cutting	45	12	UND
PGLA FAST UND 2-0 X 150 (50X3)	PGF200516	2-0		Non needled	50	12	UND

MEGASORB™

Polyglycolic Acid Suture

Properties

- 70%-80% of the original is retained until initial 14 Days
- 50% of the original is retained until initial 21 Days
- There is a subsequent loss between four to five weeks post implantation
- Complete absorption usually takes place between 60 and 90 Days

Indications

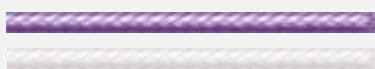
- Gastrointestinal procedures
- Gynaecology/Obstetric procedures
- Ophthalmic procedures
- Orthopedic procedures
- Urology procedures
- Skin closure (intracutaneous, subcutaneous)
- Ligatures

Advantages

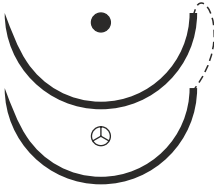
- High tensile strength
- Excellent knotting ability
- Smooth passage through tissue
- Easy handling



Product Overview

Structure	: Multifilament, Braided
Colour	: Dyed, Undyed
	
Chemical composition	: Polyglycolic acid
Coating	: Polycaprolactone and Calcium Stearate
Sizes	: Violet - USP 8/0 (metric 0.4) - USP 2 (metric 5) : Undyed - USP 6/0 (metric 0.7) - USP 2 (metric 5)
Type of absorption	: Hydrolysis
Sterilisation	: Ethylene oxide

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MEGASORB (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLYCOLIC ACID)							
PGA VIO 0 X 90-30MM HC RB	MS2338	0		30 mm 1/2 Circle Round Body	90	12	VIO
PGA VIO 0 X 90-40MM HC RB	MS2346	0		40 mm 1/2 Circle Round Body	90	12	VIO
PGA VIO 0 X 140-40MM HC RB TC DN	MS2346DN	0		40 mm 1/2 Circle Round Body Taper Cut	140	12	VIO
PGA VIO 0 X 180-40MM HC RB TC DN	MS2346DNL	0		40 mm 1/2 Circle Round Body Taper Cut	180	12	VIO
PGA VIO 0 X 45-40MM HC RB	MS2346S	0		40 mm 1/2 Circle Round Body	45	12	VIO
PGA VIO 0 X 90-40MM HC TC	MS2518	0		40 mm 1/2 Circle Taper Cut	90	12	VIO
PGA VIO 0 X 90-36MM HC RC	MS2534	0		36 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGA VIO 0 X 75-40MM HC RB	MS100352	0		40 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 0 X 70-30MM HC RB EX	MS100808	0		30 mm 1/2 Circle Round Body	70	12	VIO
PGA VIO 0 X 70-22MM HC RB	MS100329	0		22 mm 1/2 Circle Round Body	70	12	VIO
PGA VIO 0 X 70-30MM CU RC	MS100587	0		30 mm 3/8 Circle Reverse Cutting	70	12	VIO
PGA VIO 0 X 100-40MM HC RB	MS2346XL	0		40 mm 1/2 Circle Round Body	100	12	VIO
PGA VIO 0 X 70-36MM HC RB	MS100260	0		36 mm 1/2 Circle Round Body	70	12	VIO
PGA VIO 0 X 75-26MM HC RB	MS100334	0		26 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 0 X 100-48MM HC RB	MS109250XL	0		48 mm 1/2 Circle Round Body	100	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MEGASORB (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLYCOLIC ACID)							
PGA VIO 0 X 100-48MM HC RB	MS109250XL	0		48 mm 1/2 Circle Round Body	100	12	VIO
PGA VIO 0 X 75-50MM HC RB	MS109251	0		50 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 0 X 45-40MM HC TC	MS2518SL	0		40 mm 1/2 Circle Taper Cut	45	12	VIO
PGA UND 0 X 90-40MM HC RB	MS2346U	0		40 mm 1/2 Circle Round Body	90	12	UND
PGA VIO 0 X 70-30MM HC RB	MS2342	0		30 mm 1/2 Circle Round Body	70	12	VIO
PGA VIO 0 X 75-45MM HC RB	MS109244	0		45 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 0 X 75-48MM HC RB	MS109250	0		48 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 1 X 90-40MM HC RB TN	MS2347	1		40 mm 1/2 Circle Round Body	90	12	VIO
PGA VIO 1 X 140-40MM HC RB TC DN	MS2347DN	1		40 mm 1/2 Circle Round Body Taper Cut	140	12	VIO
PGA VIO 1 X 180-40MM HC RB TC DN	MS2347DNL	1		40 mm 1/2 Circle Round Body Taper Cut	180	12	VIO
PGA VIO 1 X 45-40MM HC RB	MS2347S	1		40 mm 1/2 Circle Round Body	45	12	VIO
PGA VIO 1 X 70-40MM HC RB	MS2359	1		40 mm 1/2 Circle Round Body	70	12	VIO
PGA VIO 1 X 90-40MM HC RB TH	MS2360	1		40 mm 1/2 Circle Round Body	90	12	VIO
PGA VIO 1 X 90-40MM HC RC	MS2421	1		40 mm 1/2 Circle Reverse Cutting	90	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MEGASORB (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLYCOLIC ACID)							
PGA VIO 1 X 70-37MM HC RB	MS010947	1		37 mm 1/2 Circle Round Body	70	12	VIO
PGA VIO 1 X 90-48MM HC RC	MS011058	1		48 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGA VIO 1 X 90-48MM HC RB	MS011428	1		48 mm 1/2 Circle Round Body	90	12	VIO
PGA VIO 1 X 90-31MM HC RB	MS010253	1		31 mm 1/2 Circle Round Body	90	12	VIO
PGA VIO 1 X 150-45MM HC RC	MS011059	1		45 mm 1/2 Circle Reverse Cutting	150	12	VIO
PGA VIO 1 X 90-30MM CU RC	MS019130	1		30 mm 3/8 Circle Reverse Cutting	90	12	VIO
PGA VIO 1 X 180-50/40MM CU RB HC TC DN	MS2160DN	1		50/40 mm 3/8 Circle 1/2 Circle Round Body Taper Cut	180	12	VIO
PGA VIO 1 X 110-40MM HC RB	MS2347DS	1		40 mm 1/2 Circle Round Body	110	12	VIO
PGA VIO 1 X 75-30MM HC RB	MS019214	1		30 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 1 X 75-35MM HC RB	MS010261	1		35 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 1 X 75-45MM HC RB	MS019245	1		45 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 1 X 100-48MM HC RB	MS011428XL	1		48 mm 1/2 Circle Round Body	100	12	VIO
PGA VIO 1 X 90-50MM HC RB	MS012448	1		50 mm 1/2 Circle Round Body	90	12	VIO
PGA VIO 1 X 90-36MM HC RC	MS010468	1		36 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGA VIO 1 X 75-37MM HC TC	MS012137	1		37 mm 1/2 Circle Taper Cut	75	12	VIO
PGA VIO 1 X 70-26MM HC RB	MS012335	1		26 mm 1/2 Circle Round Body	70	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MEGASORB (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLYCOLIC ACID)							
PGA VIO 1 X 70-21MM HC RB	MS012804	1		21 mm 1/2 Circle Round Body	70	12	VIO
PGA VIO 2 X 75-30MM HC RB	MS029230	2		30 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 2 X 90-40MM HC RB	MS2240N	2		40 mm 1/2 Circle Round Body	90	12	VIO
PGA VIO 2 X 90-37MM HC RB	MS020348	2		37 mm 1/2 Circle Round Body	90	12	VIO
PGA VIO 2 X 75-26MM HC RB	MS020238	2		26 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 2 X 75-40MM HC RC	MS020481	2		40 mm 1/2 Circle Reverse Cutting	75	12	VIO
PGA VIO 2 X 90-48MM HC RB	MS029252	2		48 mm 1/2 Circle Round Body	90	12	VIO
PGA VIO 2 X 75-48MM HC RC	MS029297	2		48 mm 1/2 Circle Reverse Cutting	75	12	VIO
PGA VIO 2 X 90-40MM HC RC	MS2478	2		40 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGA VIO 2 X 75-37MM HC RB	MS020349	2		37 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 2-0 X 90-30MM HC RB	MS2317	2-0		30 mm 1/2 Circle Round Body	90	12	VIO
PGA VIO 2-0 X 140-30MM HC RB TC DN	MS2317DN	2-0		30 mm 1/2 Circle Round Body Taper Cut	140	12	VIO
PGA VIO 2-0 X 90-40MM HC RB	MS2345	2-0		40 mm 1/2 Circle Round Body	90	12	VIO
PGA VIO 2-0 X 90-40MM HC RC	MS2382	2-0		40 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGA VIO 2-0 X 75-40MM HC RB	MS2082544	2-0		40 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 2-0 X 70-24MM CU RC	MS200443	2-0		24 mm 3/8 Circle Reverse Cutting	70	12	VIO
PGA VIO 2-0 X 90-30MM HC RC	MS200586	2-0		30 mm 1/2 Circle Reverse Cutting	90	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MEGASORB (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLYCOLIC ACID)							
PGA VIO 4-0 X 75-22MM HC RB	MS409422	4-0		22 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 4-0 X 70-16MM HC RB	MS2305	4-0		16 mm 1/2 Circle Round Body	70	12	VIO
PGA VIO 4-0 X 45-12MM CU RC	MS2494	4-0		12 mm 3/8 Circle Reverse Cutting	45	12	VIO
PGA UND 4-0 X 75-26MM CU CT	MS9918U	4-0		26 mm 3/8 Circle Conventional Cutting	75	12	UND
PGA VIO 5-0 X 45-16MM HC RB	MS2303	5-0		16 mm 1/2 Circle Round Body	45	12	VIO
PGA VIO 5-0 X 70-17MM HC RB	MS500303	5-0		17 mm 1/2 Circle Round Body	70	12	VIO
PGA VIO 5-0 X 70-13MM HC RB	MS502433	5-0		13 mm 1/2 Circle Round Body	70	12	VIO
PGA VIO 5-0 X 70-36MM HC RB	MS502536	5-0		36 mm 1/2 Circle Round Body	70	12	VIO
PGA VIO 5-0 X 45-13MM CU RB	MS502513	5-0		13 mm 3/8 Circle Round Body	45	12	VIO
PGA VIO 5-0 X 75-16MM HC RB	MS2303XL	5-0		16 mm 1/2 Circle Round Body	75	12	VIO
PGA VIO 5-0 X 75-16MM CU RC	MS500500XL	5-0		16 mm 3/8 Circle Reverse Cutting	75	12	VIO
PGA VIO 5-0 X 45-12MM CU RC	MS2493	5-0		12 mm 3/8 Circle Reverse Cutting	45	12	VIO
PGA VIO 5-0 X 45-15MM HC CT	MS500557	5-0		15 mm 1/2 Circle Conventional Cutting	45	12	VIO
PGA VIO 6-0 X 70-13MM HC RB	MS602134	6-0		13 mm 1/2 Circle Round Body	70	12	VIO
PGA VIO 6-0 X 45-13MM CU RB	MS602613	6-0		13 mm 3/8 Circle Round Body	45	12	VIO
PGA VIO 6-0 X 75-16MM CU RC	MS602612	6-0		16 mm 3/8 Circle Reverse Cutting	75	12	VIO
PGA VIO 6-0 X 45-8MM QC SM DN	MS2670DN	6-0		8 mm 1/4 Circle Spatula Micropoint Spatula Micropoint	45	12	VIO
PGA VIO 6-0 X 45-12MM CU RC	MS602645	6-0		12 mm 3/8 Circle Reverse Cutting	45	12	VIO
PGA VIO 7-0 X 30-6MM QC SM DN	MS2349DN	7-0		6 mm 1/4 Circle Spatula Micropoint Spatula Micropoint	30	12	VIO
PGA VIO 8-0 X 30-6MM CU SM DN	MS2348DN	8-0		6 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	30	12	VIO

Description	FG Code	Size	Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MEGASORB (SYNTHETIC ABSORBABLE BRAIDED COATED POLYGLYCOLIC ACID)						
PGA VIO 0 X 45 (45 X3)	MS100616	0	Non needled	45	12	VIO
PGA VIO 0 X 180	MS2614NS	0	Non needled	180	12	VIO
PGA VIO 0 X 270 (45X6)	MS100062	0	Non needled	45	12	VIO
PGA VIO 0 X 150	MS100065	0	Non needled	150	12	VIO
PGA VIO 1 X 45 (45X3)	MS016173	1	Non needled	45	12	VIO
PGA VIO 1 X 45 (45X6)	MS014506	1	Non needled	45	12	VIO
PGA VIO 2 X 270 (45X6)	MS020082	2	Non needled	45	12	VIO
PGA VIO 2-0 X 45 (45X3)	MS200615	2-0	Non needled	45	12	VIO
PGA VIO 2-0 X 180	MS2615NS	2-0	Non needled	180	12	VIO
PGA VIO 2-0 X 150	MS300055	2-0	Non needled	150	12	VIO
PGA VIO 3-0 X 45 (45X3)	MS300414	3-0	Non needled	45	12	VIO
PGA VIO 3-0 X 50 (50X10)	MS30500	3-0	Non needled	50	12	VIO
PGA VIO 3-0 X 270 (45X6)	MS300042	3-0	Non needled	45	12	VIO
PGA VIO 3-0 X 150	MS300045	3-0	Non needled	150	12	VIO
PGA VIO 4-0 X 135 (45X3)	Ms400284	4-0	Non needled	45	12	VIO

MEGASORB PLUS™

Polyglycolic Acid Suture with Chlorhexidine

Properties

- Retention of 70% knot tensile strength after 14 days
- Complete mass absorption within 60 to 90 days

Indications

- Gastrointestinal procedures
- Gynaecology/Obstetric procedures
- Orthopedic procedures
- Urology procedures
- Skin closure (intracutaneous, subcutaneous)
- Ligatures

Advantages

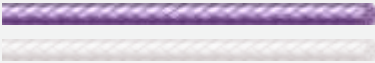
- Smooth knot run-down
- Gentle knot repositioning
- High knot holding capacity
- Minimized inflammatory reaction



MEGASORB PLUS

Also available **MEGASORB T+** Polyglycolic Acid with Triclosan

Product Overview

Structure	: Multifilament, Braided
Colour	: Dyed, Undyed
	
Chemical composition	: Polyglycolic acid
Coating	: Polycaprolactone + calcium stearate + Antibacterial agent Chlorhexidine
Sizes	: USP 8/0 (metric 0.4) - USP 2 (metric 5)
Type of absorption	: Hydrolysis
Sterilization	: Ethylene oxide

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MEGASORB PLUS (POLYGLYCOLIC ACID SUTURE WITH CHLORHEXIDINE)							
PGA C PLUS VIO 0 X 90-40MM HC RB	MSP2346	0		40 mm 1/2 Circle Round Body	90	12	VIO
PGA C PLUS VIO 1 X 90-40MM HC RB TH	MSP2360	1		40 mm 1/2 Circle Round Body	90	12	VIO
PGA C PLUS VIO 1 X 90-40MM HC RB TN	MSP2347	1		40 mm 1/2 Circle Round Body	90	12	VIO
PGA C PLUS VIO 1 X 90-40MM HC RC	MSP2421	1		40 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGA C PLUS VIO 2-0 X 90-30MM HC RB	MSP2317	2-0		30 mm 1/2 Circle Round Body	90	12	VIO
PGA C PLUS VIO 3-0 X 70-20MM HC RB	MSP2437	3-0		20 mm 1/2 Circle Round Body	70	12	VIO

MEGASORB RAPID™

Polyglycolic Acid Fast Suture

Properties

- 50% of the original is retained until initial 6 to 8 Days
- There is a subsequent loss by 17 days post implantation
- Complete absorption usually takes place by 42 Days

Indications

- Gynaecology/Obstetric procedures (e.g.: episiotomy repair)
- Urology procedures
- Ophthalmic procedures (e.g.: conjunctiva suturing)
- Odontology procedures (e.g.: oral mucosa)
- Paediatric procedures
- Skin closure (intracutaneous, subcutaneous)
- Ligatures

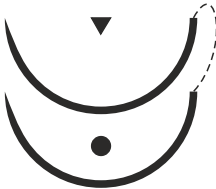
Advantages

- High initial tensile strength
- Predictable and constant degradation rate
- Good knot security
- Excellent handling properties
- Quick mass absorption



Product Overview

Structure	: Multifilament, Braided
Colour	: Undyed
Chemical composition	: Polyglycolic acid
Sizes	: USP 6/0 (metric 0.7) - USP 2 (metric 5)
Type of absorption	: Hydrolysis
Sterilization	: Gamma radiation

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MEGASORB RAPID (POLYGLYCOLIC ACID FAST SUTURE)							
PGA RAPID UND 0 X 90-36MM HC RB	MS109037	0		36 mm 1/2 Circle Round Body	90	12	UND
PGA RAPID UND 1 X 90-40MM HC RB	MS019140	1		40 mm 1/2 Circle Round Body	90	12	UND
PGA RPID UND 2-0 X 140-36MM HC RC RB DN	MS2777	2-0		36 mm 1/2 Circle Reverse Cutting Round Body	140	12	UND
PGA RPID UND 2-0 X 90-36MM HC TC	MS2762	2-0		36 mm 1/2 Circle Taper Cut	90	12	UND
PGA RAPID UND 2-0 X 90-26MM CU RC	MS209933	2-0		26 mm 3/8 Circle Reverse Cutting	90	12	UND
PGA RAPID UND 2-0 X 90-36MM HC RB	MS209451	2-0		36 mm 1/2 Circle Round Body	90	12	UND
PGA RAPID UND 2-0 X 75-30MM HC RB	MS209975	2-0		30 mm 1/2 Circle Round Body	75	12	UND
PGA RAPID UND 2-0 X 90-36MM HC RC	MS209236	2-0		36 mm 1/2 Circle Reverse Cutting	36	12	UND
PGA RAPID UND 3-0 X 70-26MM CU RC	MS302732	3-0		26 mm 3/8 Circle Reverse Cutting	70	12	UND
PGA RAPID UND 3-0 X 70-22MM HC RB	MS309974	3-0		22 mm 1/2 Circle Round Body	70	12	UND
PGA RAPID UND 3-0 X 75-19MM CU RC	MS309923	3-0		19 mm 3/8 Circle Reverse Cutting	75	12	UND
PGA RAP UND 3-0 X 75-26MM CU RC	MS9932	3-0		26 mm 3/8 Circle Reverse Cutting	75	12	UND
PGA RAPID UND 3-0 X 45-22MM HC RC	MS306230	3-0		22 mm 1/2 Circle Reverse Cutting	45	12	UND
PGA RAPID UND 3-0 X 70-26MM HC RB	MS304161	3-0		26 mm 1/2 Circle Round Body	70	12	UND
PGA RAPID UND 3-0 X 45-22MM HC CT	MS309927	3-0		22 mm 1/2 Circle Conventional Cutting	45	12	UND
PGA RAPID UND 4-0 X 45-16MM CU CT	MS408451	4-0		16 mm 3/8 Circle Conventional Cutting	45	12	UND
PGA RAPID UND 4-0 X 75-17MM HC RB	MS409970	4-0		17 mm 1/2 Circle Round Body	75	12	UND

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MEGASORB RAPID (POLYGLYCOLIC ACID FAST SUTURE)							
PGA RAPID UND 4-0 X 75-19MM CU RC	MS409922	4-0		19 mm 3/8 Circle Reverse Cutting	75	12	UND
PGA RAPID UND 4-0 X 75-24MM CU RC	MS409924	4-0		24 mm 3/8 Circle Reverse Cutting	75	12	UND
PGA RAP UND 4-0 X 75-26MM CU CT	MS9918	4-0		26 mm 3/8 Circle Conventional Cutting	75	12	UND
PGA RAPID UND 4-0 X 70-19MM CU CT	MS406529	4-0		19 mm 3/8 Circle Conventional Cutting	70	12	UND
PGA RAPID UND 4-0 X 75-17MM HC RC	MS409418	4-0		17 mm 1/2 Circle Reverse Cutting	17	12	UND
PGA RAPID UND 5-0 X 45-12MM CU RC	MS9915	5-0		12 mm 3/8 Circle Reverse Cutting	45	12	UND
PGA RAPID UND 2-0 X 45 (45X3)	MS200616	2-0		Non needed	45	12	UND
PGA RAPID UND 3-0 X 45 (45X3)	MS300285	3-0		Non needed	45	12	UND

FILAPRON™

Poliglecaprone 25 Suture

Properties

- 80%-60% of the original is retained until initial 7 Days (DYED)
- 60%-50% of the original is retained until initial 7 Days (UNDYED)
- 40%-30% of the original is retained until initial 14 Days (DYED)
- 30%-20% of the original is retained until initial 7 Days (UNDYED)
- There is a subsequent loss 28 days post implantation
- Complete absorption usually takes place between 90 to 120 Days

Indications

When short wound support is desirable

- Skinclosure (intracutaneous, subcutaneous)
- Ligatures

Advantages

- Short-term absorption profile
- High knot pull tensile strength
- Superior handling features



FILAPRON

Product Overview

Structure	: Monofilament
Colour	: Dyed, Undyed
	
Chemical composition	: Poly(glycolide-co-caprolactone)PGCL
Sizes	: USP 6/0 (metric 0.7) - USP 1 (metric 4)
Type of absorption	: Hydrolysis
Sterilization	: Ethylene oxide

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPRON (POLIGLECAPRONE 25 SUTURE)							
PGCL VIO 1 X 90-48MM HC RB	PCL013148	1		48 mm 1/2 Circle Round Body	90	12	VIO
PGCL VIO 2 X 90-45MM HC RB	PCL023945	2		45 mm 1/2 Circle Round Body	90	12	VIO
PGCL VIO 2-0 X 90-23MM HC RC	PCL200459	2-0		23 mm 1/2 Circle Reverse Cutting	90	12	VIO
PGCL VIO 2-0 X 70-31MM CU RB	PCL203416	2-0		31 mm 3/8 Circle Round Body	70	12	VIO
PGCL UND 2-0 X 70-31MM HC RB	PCL203431	2-0		31 mm 1/2 Circle Round Body	70	12	UND
PGCL UND 2-0 X 70-26MM HC TC	PCL203432	2-0		26 mm 1/2 Circle Taper Cut	70	12	UND
PGCL VIO 2-0 X 70-26MM HC TC	PCL203440	2-0		26 mm 1/2 Circle Taper Cut	70	12	VIO
PGCL VIO 2-0 X 70-26MM HC RB	PCL203448	2-0		26 mm 1/2 Circle Round Body	70	12	VIO
PGCL VIO 2-0 X 70-36MM HC RB	PCL203463	2-0		36 mm 1/2 Circle Round Body	70	12	VIO
PGCL VIO 2-0 X 70-36MM HC RC	PCL203600	2-0		36 mm 1/2 Circle Reverse Cutting	70	12	VIO
PGCL UND 2-0 X 70-60MM ST RB	PCL203651	2-0		60 mm Straight Round Body	70	12	UND
PGCL VIO 2-0 X 70-22MM HC RB	PCL203662	2-0		22 mm 1/2 Circle Round Body	70	12	VIO
PGCL UND 2-0 X 70-24MM CU RC	PCL203327	2-0		24 mm 3/8 Circle Reverse Cutting	70	12	UND
PGCL VIO 2-0 X 70-26MM FE RB	PCL20610	2-0		26 mm 5/8 Circle Round Body	70	12	VIO
PGCL UND 2-0 X 70-26MM FE RB	PCL20 1602U	2-0		26 mm 5/8 Circle Round Body	70	12	UND
PGCL UND 2-0 X 70-26MM HC RB VB	PCL20 1665U	2-0		26 mm 1/2 Circle Round Body	70	12	UND
PGCL UND 2-0 X 70-30MM HC RB	PCL20 1641U	2-0		30 mm 1/2 Circle Round Body	70	12	UND
PGCL UND 2-0 X 70-36MM HC RB	PCL20 1666U	2-0		36 mm 1/2 Circle Round Body	70	12	UND
PGCL VIO 2-0 X 70-26MM HC RB VB	PCL20 1765V	2-0		26 mm 1/2 Circle Round Body	70	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPRON (POLIGLECAPRONE 25 SUTURE)							
PGCL VIO 2-0 X 70-30MM HC RB	PCL20 1741V	2-0		30 mm 1/2 Circle Round Body	70	12	VIO
PGCL VIO 2-0 X 70-31MM HC RB	PCL20 3441V	2-0		31 mm 1/2 Circle Round Body	70	12	VIO
PGCL UND 2-0 X 70-26MM CU RC	PCL203226	2-0		26 mm 3/8 Circle Reverse Cutting	70	12	UND
PGCL VIO 2-0 X 70-26MM HC RB DN	PCL203628	2-0		26 mm 1/2 Circle Round Body Round Body	70	12	VIO
PGCL VIO 2-0 X 70-36MM HC TC	PCL203488	2-0		36 mm 1/2 Circle Taper Cut	70	12	VIO
PGCL VIO 2-0 X 70-48MM HC RB	PCL203730	2-0		48 mm 1/2 Circle Round Body	70	12	VIO
PGCL VIO 2-0 X 70-31MM HC RB EX	PCL203441	2-0		31 mm 1/2 Circle Round Body	70	12	VIO
PGCL VIO 2-0 X 70-26MM HC RB VB C1	PCL20 3665V	2-0		26 mm 1/2 Circle Round Body	70	12	VIO
PGCL UND 2-0 X 70-60MM ST CT	PCL203652	2-0		60 mm Straight Conventional Cutting	70	12	UND
PGCL VIO 2-0 X 90-26MM HC RB	PCL203448XL	2-0		26 mm 1/2 Circle Round Body	90	12	VIO
PGCL UND 3-0 X 70-25MM CU CT	PCL30 1326U	3-0		25 mm 3/8 Circle Conventional Cutting	70	12	UND
PGCL UND 3-0 X 70-26MM HC RB VB	PCL30 1664UB	3-0		26 mm 1/2 Circle Round Body	70	12	UND
PGCL VIO 3-0 X 70-20MM HC RB	PCL30 1737V	3-0		20 mm 1/2 Circle Round Body	70	12	VIO
PGCL VIO 3-0 X 70-31MM HC RB	PCL303200	3-0		31 mm 1/2 Circle Round Body	70	12	VIO
PGCL UND 3-0 X 45-19MM CU RC	PCL303207	3-0		19 mm 3/8 Circle Reverse Cutting	45	12	UND
PGCL UND 3-0 X 70-24MM CU RC	PCL303208	3-0		24 mm 3/8 Circle Reverse Cutting	70	12	UND
PGCL VIO 3-0 X 70-17MM HC RB	PCL303437	3-0		17 mm 1/2 Circle Round Body	70	12	VIO
PGCL VIO 3-0 X 70-26MM FE RB	PCL303625	3-0		26 mm 5/8 Circle Round Body	70	12	VIO
PGCL VIO 3-0 X 70-26MM FE RB DN	PCL303637	3-0		26 mm 5/8 Circle Round Body Round Body	70	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPRON (POLIGLECAPRONE 25 SUTURE)							
PGCL VIO 3-0 X 70-22MM HC RB	PCL303661	3-0		22 mm 1/2 Circle Round Body	70	12	VIO
PGCL UND 3-0 X 45-19MM CU RC DN	PCL300497	3-0		19 mm 3/8 Circle Reverse Cutting Reverse Cutting	45	12	UND
PGCL VIO 3-0 X 70-26MM HC RB	PCL301326	3-0		26 mm 1/2 Circle Round Body	70	12	VIO
PGCL UND 3-0 X 45-25MM CU CT	PCL30 1326SLU	3-0		25 mm 3/8 Circle Conventional Cutting	45	12	UND
PGCL UND 3-0 X 70-22MM HC RB VB	PCL30 1663U	3-0		22 mm 1/2 Circle Round Body	70	12	UND
PGCL VIO 3-0 X 70-26MM HC RB VB	PCL30 1764V	3-0		26 mm 1/2 Circle Round Body	70	12	VIO
PGCL UND 3-0 X 70-26MM CU RC	PCL30 3326U	3-0		26 mm 3/8 Circle Reverse Cutting	70	12	UND
PGCL VIO 3-0 X 70-25MM CU CT	PCL30 1326V	3-0		25 mm 3/8 Circle Conventional Cutting	70	12	VIO
PGCL UND 3-0 X 70-60MM ST CT	PCL30 3650U	3-0		60 mm Straight Conventional Cutting	70	12	UND
PGCL UND 3-0 X 70-19MM CU RC	PCL303202	3-0		19 mm 3/8 Circle Reverse Cutting	70	12	UND
PGCL UND 3-0 X 60-26MM CU RC	PCL303123	3-0		26 mm 3/8 Circle Reverse Cutting	60	12	UND
PGCL VIO 3-0 X 70-26MM HC RB DN	PCL303416	3-0		26 mm 1/2 Circle Round Body Round Body	70	12	VIO
PGCL UND 3-0 X 70-26MM CU RC EX	PCL303213	3-0		26 mm 3/8 Circle Reverse Cutting	70	12	UND
PGCL UND 3-0 X 70-26MM HC RB	PCL303446	3-0		26 mm 1/2 Circle Round Body	70	12	UND
PGCL UND 3-0 X 70-26MM CU RC EX-3D	PCL303213Z	3-0		26 mm 3/8 Circle Reverse Cutting	70	36	UND
PGCL VIO 3-0 X 90-26MM HC RB	PCL301326XL	3-0		26 mm 1/2 Circle Round Body	90	12	VIO
PGCL VIO 3-0 X 60-22MM CU RB	PCL306022	3-0		22 mm 3/8 Circle Round Body	60	12	VIO
PGCL VIO 3-0 X 70-17MM HC RB DN	PCL303437DN	3-0		17 mm 1/2 Circle Round Body Round Body	70	12	VIO
PGCL VIO 3-0 X 70-22MM HC RB DN	PCL303661DN	3-0		22 mm 1/2 Circle Round Body Round Body	70	12	VIO
PGCL UND 4-0 X 45-19MM CU RC	PCL403206	4-0		19 mm 3/8 Circle Reverse Cutting	45	12	UND

Description	FG Code	Size	Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
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FILAPRON (POLIGLECAPRONE 25 SUTURE)

PGCL UND 4-0 X 70-26MM CU RC	PCL403212	4-0		26 mm 3/8 Circle Reverse Cutting	70	12	UND
PGCL VIO 4-0 X 70-17MM HC RB	PCL403435	4-0		17 mm 1/2 Circle Round Body	70	12	VIO
PGCL VIO 4-0 X 70-17MM CU RB	PCL403548	4-0		17 mm 3/8 Circle Round Body	70	12	VIO
PGCL UND 4-0 X 70-60MM ST CT	PCL403649	4-0		60 mm Straight Conventional Cutting	70	12	UND
PGCL VIO 4-0 X 70-22MM HC RB	PCL403660	4-0		22 mm 1/2 Circle Round Body	70	12	VIO
PGCL VIO 4-0 X 70-26MM HC RB	PCL401426	4-0		26 mm 1/2 Circle Round Body	70	12	VIO
PGCL VIO 4-0 X 70-19MM HC RB	PCL403436	4-0		19 mm 1/2 Circle Round Body	70	12	VIO
PGCL UND 4-0 X 70-16MM CU RC	PCL40 1205U	4-0		16 mm 3/8 Circle Reverse Cutting	70	12	UND
PGCL VIO 4-0 X 70-16MM CU RB	PCL40 1748V	4-0		16 mm 3/8 Circle Round Body	70	12	VIO
PGCL UND 4-0 X 70-16MM CU RB	PCL40 1648U	4-0		16 mm 3/8 Circle Round Body	70	12	UND
PGCL UND 4-0 X 45-16MM CU RC	PCL40 3205U	4-0		16 mm 3/8 Circle Reverse Cutting	45	12	UND
PGCL UND 4-0 X 45-16MM CU CT	PCL40 845U	4-0		16 mm 3/8 Circle Conventional Cutting	45	12	UND
PGCL VIO 4-0 X 70-16MM CU RC	PCL40 1205V	4-0		16 mm 3/8 Circle Reverse Cutting	70	12	VIO
PGCL UND 4-0 X 70-19MM CU RC	PCL403206XL	4-0		19 mm 3/8 Circle Reverse Cutting	70	12	UND
PGCL UND 4-0 X 45-16MM CU RC EX	PCL403205	4-0		16 mm 3/8 Circle Reverse Cutting	45	12	UND
PGCL UND 4-0 X 45-19MM CU CT	PCL403496	4-0		19 mm 3/8 Circle Conventional Cutting	45	12	UND
PGCL UND 4-0 X 45-16MM CU RC-3D	PCL403205Z	4-0		16 mm 3/8 Circle Reverse Cutting	45	36	UND
PGCL UND 4-0 X 45-19MM CU RC-3D	PCL403206Z	4-0		19 mm 3/8 Circle Reverse Cutting	45	36	UND
PGCL VIO 4-0 X 70-16MM CU CT	PCL401416	4-0		16 mm 3/8 Circle Conventional Cutting	70	12	VIO
PGCL UND 4-0 X 45-13MM CU RC	PCL403413U	4-0		13 mm 3/8 Circle Reverse Cutting	45	12	UND
PGCL VIO 4-0 X 70-17MM HC RB DN	PCL403435DN	4-0		17 mm 1/2 Circle Round Body Round Body	70	12	VIO
PGCL VIO 4-0 X 70-22MM HC RB DN	PCL405218	4-0		22 mm 1/2 Circle Round Body Round Body	70	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPRON (POLIGLECAPRONE 25 SUTURE)							
PGCL VIO 5-0 X 90-16MM CU RC	PCL503204	5-0		16 mm 3/8 Circle Reverse Cutting	90	12	VIO
PGCL VIO 5-0 X 70-13MM HC RB	PCL501513	5-0		13 mm 1/2 Circle Round Body	70	12	VIO
PGCL VIO 5-0 X 70-17MM HC RB	PCL501517	5-0		17 mm 1/2 Circle Round Body	70	12	VIO
PGCL VIO 5-0 X 90-12MM CU RC	PCL501512	5-0		12 mm 3/8 Circle Reverse Cutting	90	12	VIO
PGCL VIO 5-0 X 70-19MM HC RB	PCL501518	5-0		19 mm 1/2 Circle Round Body	70	12	VIO
PGCL UND 5-0 X 45-13MM CU RC	PCL50 3203U	5-0		13 mm 3/8 Circle Reverse Cutting	45	12	UND
PGCL UND 5-0 X 45-16MM CU RC	PCL50 3204U	5-0		16 mm 3/8 Circle Reverse Cutting	45	12	UND
PGCL UND 5-0 X 45-16MM CU CT	PCL50 844U	5-0		16 mm 3/8 Circle Conventional Cutting	45	12	UND
PGCL VIO 5-0 X 45-13MM CU CT	PCL503203	5-0		13 mm 3/8 Circle Conventional Cutting	45	12	VIO
PGCL UND 5-0 X 70-19MM CU RC	PCL503209U	5-0		19 mm 3/8 Circle Reverse Cutting	70	12	UND
PGCL VIO 6-0 X 45-13MM HC RB	PCL603224	6-0		13 mm 1/2 Circle Round Body	45	12	VIO
PGCL VIO 6-0 X 70-13MM HC RB	PCL601613	6-0		13 mm 1/2 Circle Round Body	70	12	VIO
PGCL UND 6-0 X 45-13MM SKKI CT	PCL60 833U	6-0		13 mm SKKI Conventional Cutting	45	12	UND
PGCL UND 6-0 X 45-13MM CU RC	PCL603215	6-0		13 mm 3/8 Circle Reverse Cutting	45	12	UND
PGCL UND 6-0 X 45-11MM CU RC	PCL603214	6-0		11 mm 3/8 Circle Reverse Cutting	45	12	UND

Properties

- 70% of the original is retained until initial 14 Days
- 50%-60% of the original is retained until initial 28 Days
- There is a subsequent minimal absorption until about 90 th post implantation day
- Complete absorption usually takes place between 180 - 210 days

Indications

- When prolonged wound support is desirable
- Abdominal wall closure
- Orthopedic procedures
- Pediatric sternum closure
- Oncocological procedures

Advantages

- High initial tensile strength
- Predictable absorption
- Prolonged wound support
- Smooth passage through tissues
- Minimal tissue reaction
- Good handling characteristics
- Standard monofilament knot for security



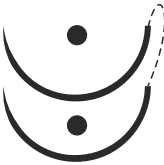
Product Overview

Structure	: Monofilament
Colour	: Violet
Chemical Composition	: Poly (p-dioxanone)
Sizes	: USP 6/0 (metric 1.5) - USP 2 (metric 5)
Type of absorption	: Hydrolysis
Sterilization	: Ethylene oxide

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAXYN (POLYDIOXANONE SUTURE)							
PDO VIO 0 X 90-30MM HC RB	PDX109333	0		30 mm 1/2 Circle Round Body	90	12	VIO
PDO VIO 0 X 90-36MM HC RC	PDX100467	0		36 mm 1/2 Circle Reverse Cutting	90	12	VIO
PDO VIO 0 X 90-40MM HC RB	PDX10 9371	0		40 mm 1/2 Circle Round Body	90	12	VIO
PDO VIO 0 X 70-30MM HC RB	PDX10 9254	0		30 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 0 X 150-40MM HC RB LOOP	PDX10 9261	0		40 mm 1/2 Circle Round Body	150	12	VIO
PDO VIO 0 X 90-50MM HC RB	PDX10 9210	0		50 mm 1/2 Circle Round Body	90	12	VIO
PDO VIO 0 X 90-48MM HC RB	PDX109255	0		48 mm 1/2 Circle Round Body	90	12	VIO
PDO VIO 0 X 150-48MM HC RB LOOP	PDX109262	0		48 mm 1/2 Circle Round Body	150	12	VIO
PDO VIO 0 X 90-36MM HC TC	PDX109355	0		36 mm 1/2 Circle Taper Cut	90	12	VIO
PDO VIO 0 X 70-26MM HC RB	PDX100334	0		26 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 0 X 70-36MM HC RB BLUNT	PDX100341	0		36 mm 1/2 Circle Blunt Point	70	12	VIO
PDO VIO 0 X 90-40MM HC TC	PDX10 9371TC	0		40 mm 1/2 Circle Taper Cut	90	12	VIO
PDO VIO 0 X 70-40MM HC RB	PDX10 9233	0		40 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 0 X 70-30MM J TYPE TC TH	PDX109333J	0		30 mm J Shape Taper Cut	70	12	VIO
PDO VIO 0 X 90-40MM HC TC EX	PDX109366	0		40 mm 1/2 Circle Taper Cut	90	12	VIO
PDO VIO 0 X 150-48MM HC BP LOOP	PDX109966	0		48 mm 1/2 Circle Blunt Point	150	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAXYN (POLYDIOXANONE SUTURE)							
PDO VIO 0 X 90-45MM HC TC	PDX109356	0		45 mm 1/2 Circle Taper Cut	90	12	VIO
PDO VIO 0 X 90-48MM HC RC	PDX100469	0		48 mm 1/2 Circle Reverse Cutting	90	12	VIO
PDO VIO 1 X 90-48MM HC TC	PDX011936	1		48 mm 1/2 Circle Taper Cut	90	12	VIO
PDO VIO 1 X 90-40MM HC TC	PDX019370	1		40 mm 1/2 Circle Taper Cut	90	12	VIO
PDO VIO 1 X 90-23MM HC RC	PDX019286	1		23 mm 1/2 Circle Reverse Cutting	90	12	VIO
PDO VIO 1 X 150-50MM HC RB LOOP	PDX01 9262	1		50 mm 1/2 Circle Round Body	150	12	VIO
PDO VIO 1 X 90-40MM HC RC	PDX01 9221	1		40 mm 1/2 Circle Reverse Cutting	90	12	VIO
PDO VIO 1 X 90-45MM HC RB	PDX01 9248	1		45 mm 1/2 Circle Round Body	90	12	VIO
PDO VIO 1 X 90-50MM HC RC	PDX01 9374	1		50 mm 1/2 Circle Reverse Cutting	90	12	VIO
PDO VIO 1 X 90-48MM HC RB	PDX01 9255	1		48 mm 1/2 Circle Round Body	90	12	VIO
PDO VIO 1 X 90-40MM HC RB	PDX01 9352	1		40 mm 1/2 Circle Round Body	90	12	VIO
PDO VIO 1 X 150-48MM HC RB LOOP	PDX019263	1		48 mm 1/2 Circle Round Body	150	12	VIO
PDO VIO 1 X 70-35MM HC RB	PDX010341	1		35 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 1 X 90-35MM HC TC	PDX019382	1		35 mm 1/2 Circle Taper Cut	90	12	VIO
PDO VIO 1 X 70-30MM HC RB	PDX019211	1		30 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 1 X 70-31MM J TYPE TC	PDX019334J	1		31 mm J Shape Taper Cut	70	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAXYN (POLYDIOXANONE SUTURE)							
PDO VIO 2 X 90-45MM HC TC	PDX029251	2		45 mm 1/2 Circle Taper Cut	90	12	VIO
PDO VIO 2 X 90-36MM HC TC	PDX029252	2		36 mm 1/2 Circle Taper Cut	90	12	VIO
PDO VIO 2-0 X 70-36MM CU RC	PDX209632	2		36 mm 3/8 Circle Reverse Cutting	70	12	VIO
PDO VIO 2-0 X 90-40MM HC RB	PDX209151	2-0		40 mm 1/2 Circle Round Body	90	12	VIO
PDO VIO 2-0 X 90-25MM CU RC	PDX209794	2-0		25 mm 3/8 Circle Reverse Cutting	90	12	VIO
PDO VIO 2-0 X 70-26MM HC TC	PDX209184	2-0		26 mm 1/2 Circle Taper Cut	70	12	VIO
PDO VIO 2-0 X 70-26MM HC RB	PDX200333	2-0		26 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 2-0 X 90-30MM HC RB	PDX200334	2-0		30 mm 1/2 Circle Round Body	90	12	VIO
PDO VIO 2-0 X 70-35MM CU CT	PDX209631	2-0		35 mm 3/8 Circle Conventional Cutting	70	12	VIO
PDO VIO 2-0 X 70-27MM HC RC	PDX200968	2-0		27 mm 1/2 Circle Reverse Cutting	70	12	VIO
PDO VIO 2-0 X 90-26MM HC RC	PDX200664	2-0		26 mm 1/2 Circle Reverse Cutting	90	12	VIO
PDO VIO 2-0 X 70-21MM HC RB	PDX209220	2-0		21 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 2-0 X 70-31MM HC RB	PDX20 9133	2-0		31 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 2-0 X 90-36MM HC TC	PDX209380	2-0		36 mm 1/2 Circle Taper Cut	90	12	VIO
PDO VIO 2-0 X 70-24MM HC RB	PDX20 2333	2-0		24 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 2-0 X 70-26MM HC RB DN	PDX20 9333	2-0		26 mm 1/2 Circle Round Body Round Body	70	12	VIO
PDO VIO 2-0 X 70-36MM J TYPE RB	PDX207036J	2-0		36 mm J Shape Round Body	70	12	VIO
PDO VIO 2-0 X 90-45MM HC TC	PDX209381	2-0		45 mm 1/2 Circle Taper Cut	90	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAXYN (POLYDIOXANONE SUTURE)							
PDO VIO 2-0 X 90-40MM HC TC	PDX209382	2-0		40 mm 1/2 Circle Taper Cut	90	12	VIO
PDO VIO 3-0 X 70-20MM HC RB	PDX30 9237	3-0		20 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 3-0 X 70-30MM HC RB DN	PDX30 9332DN	3-0		30 mm 1/2 Circle Round Body Round Body	70	12	VIO
PDO VIO 3-0 X 75-20MM HC RB DN	PDX30 9336DN	3-0		20 mm 1/2 Circle Round Body Round Body	75	12	VIO
PDO VIO 3-0 X 70-26MM HC RB	PDX300316	3-0		26 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 3-0 X 70-26MM HC RB H	PDX300332	3-0		26 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 3-0 X 75-27MM HC RB	PDX300333	3-0		27 mm 1/2 Circle Round Body	75	12	VIO
PDO VIO 3-0 X 70-27MM HC RC	PDX300968	3-0		27 mm 1/2 Circle Reverse Cutting	70	12	VIO
PDO VIO 3-0 X 45-22MM HC CT	PDX300460	3-0		22 mm 1/2 Circle Conventional Cutting	45	12	VIO
PDO VIO 3-0 X 70-25MM CU RC	PDX300442	3-0		25 mm 3/8 Circle Reverse Cutting	70	12	VIO
PDO VIO 3-0 X 90-31MM HC RB DN	PDX309134	3-0		31 mm 1/2 Circle Round Body Round Body	90	12	VIO
PDO VIO 3-0 X 70-36MM HC RC	PDX309152	3-0		36 mm 1/2 Circle Reverse Cutting	70	12	VIO
PDO VIO 3-0 X 70-31MM HC RB	PDX30 9132	3-0		31 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 3-0 X 70-20MM HC RB C1	PDX30 9116	3-0		20 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 3-0 X 45-19MM CU CT	PDX300497	3-0		19 mm 3/8 Circle Conventional Cutting	45	12	VIO
PDO VIO 3-0 X 75-30MM HC RB	PDX3013432	3-0		30 mm 1/2 Circle Round Body	75	12	VIO
PDO VIO 3-0 X 90-25MM HC TC	PDX309179	3-0		25 mm 1/2 Circle Taper Cut	90	12	VIO
PDO VIO 3-0 X 70-26MM CU CT	PDX309625	3-0		26 mm 3/8 Circle Conventional Cutting	70	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAXYN (POLYDIOXANONE SUTURE)							
PDO VIO 5-0 X 70-13MM CU RB	PDX50 1013	5-0		13 mm 3/8 Circle Round Body	70	12	VIO
PDO VIO 5-0 X 45-13MM CU CT	PDX509863	5-0		13 mm 3/8 Circle Conventional Cutting	45	12	VIO
PDO VIO 5-0 X 70-17MM HC RB DN	PDX509108DN	5-0		17 mm 1/2 Circle Round Body Round Body	70	12	VIO
PDO VIO 5-0 X 90-17MM HC RB DN	PDX500303DN	5-0		17 mm 1/2 Circle Round Body Round Body	90	12	VIO
PDO VIO 5-0 X 70-16MM CU CT	PDX509733	5-0		16 mm 3/8 Circle Conventional Cutting	70	12	VIO
PDO VIO 5-0 X 45-19MM CU CT	PDX509869	5-0		19 mm 3/8 Circle Conventional Cutting	45	12	VIO
PDO VIO 5-0 X 70-16MM C RB	PDX5013489	5-0		16 mm 1/2 Circle Round Body	70	12	VIO
PDO VIO 6-0 X 90-13MM CU RB	PDX609096	6-0		13 mm 3/8 Circle Round Body	90	12	VIO
PDO VIO 6-0 X 90-8MM CU RB	PDX609091	6-0		8 mm 3/8 Circle Round Body	90	12	VIO
PDO VIO 6-0 X 45-13MM HC RB	PDX600432	6-0		13 mm 1/2 Circle Round Body	45	12	VIO
PDO VIO 6-0 X 70-16MM HC RC DN	PDX604323	6-0		16 mm 1/2 Circle Reverse Cutting Reverse Cutting	70	12	VIO
PDO VIO 6-0 X 90-9MM CU TC	PDX601712	6-0		9 mm 3/8 Circle Taper Cut	90	12	VIO
PDO VIO 6-0 X 45-8MM CU RB DN	PDX60 9091DN	6-0		8 mm 3/8 Circle Round Body Round Body	45	12	VIO
PDO VIO 6-0 X 45-11MM CU RB DN	PDX60 9093DN	6-0		11 mm 3/8 Circle Round Body Round Body	45	12	VIO
PDO VIO 6-0 X 75-13MM CU RB DN	PDX60 127DN	6-0		13 mm 3/8 Circle Round Body Round Body	75	12	VIO
PDO VIO 6-0 X 45-13MM CU CT	PDX609861	6-0		13 mm 3/8 Circle Conventional Cutting	45	12	VIO
PDO VIO 6-0 X 45-13MM HC SM	PDX607613	6-0		13 mm 1/2 Circle Spatula Micropoint	45	12	VIO
PDO VIO 6-0 X 45-11MM CU RC	PDX600487	6-0		11 mm 3/8 Circle Reverse Cutting	45	12	VIO
PDO VIO 7-0 X 60-9MM CU RB DN	PDX70 155DN	7-0		9 mm 3/8 Circle Round Body Round Body	60	12	VIO
PDO VIO 7-0 X 45-13MM CU RB DN	PDX709095DN	7-0		13 mm 3/8 Circle Round Body Round Body	45	12	VIO

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAXYN (POLYDIOXANONE SUTURE)							
PDO VIO 7-0 X 70-9.3MM CU TC DN	PDX70 1711DN	7-0		9.3 mm 3/8 Circle Taper Cut Taper Cut	70	12	VIO
PDO VIO 3-0 X 70-26MM HC RB DN-3D	PDX301316Z	3-0		26 mm 1/2 Circle Round Body Round Body	70	36	VIO
PDO VIO 4-0 X 45-19MM CU RC	PDX400422SL	4-0		19 mm 3/8 Circle Reverse Cutting	45	12	VIO

MERISOFT PLAIN™

Plain Catgut Suture

Properties

The tensile strength is maintained for not more than 7 to 10 days post implantation, and its absorption is complete within 60 to 90 days.

Indications

MERISOFT PLAIN™ suture is indicated for use in general soft tissue approximation and/or ligation.

Advantages

- Highest level of collagen guarantees predictable absorption
- Accurate polishing ensures smooth tissue passage
- Packed in liquid to reduce memory & increase pliability
- Rigidly controlled spinning & drying to ensure higher tensile strength



Product Overview

Primary packaging	: Packed in an aluminum foil pouch
Secondary packaging	: Primary pack is loaded in a secondary pouch made of medical grade paper & laminated polyethylene film
Sizes	: USP 6/0 (metric 1) - USP 2 (metric 6)
Colour	: Yellow-tan
	
Sterilization	: Gamma radiation

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERISOFT PLAIN (PLAIN CATGUT SUTURE)							
PLAIN CATGUT 0 X 100-45MM HC RB	ME100429	0		45 mm 1/2 Circle Round Body	100	12	PLAIN
PLAIN CATGUT 0 X 75-30MM HC RB	ME104030	0		30 mm 1/2 Circle Round Body	75	12	PLAIN
PLAIN CATGUT 0 X 75-48MM HC RB	ME104048	0		48 mm 1/2 Circle Round Body	75	12	PLAIN
PLAIN CATGUT 1 X 75-30MM HC RB	ME0128126	1		30 mm 1/2 Circle Round Body	75	12	PLAIN
PLAIN CATGUT 1 X 75-40MM HC RB	ME010735	1		40 mm 1/2 Circle Round Body	75	12	PLAIN
PLAIN CATGUT 1 X 100-43MM HC RB	ME010427	1		43 mm 1/2 Circle Round Body	100	12	PLAIN
PLAIN CATGUT 1 X 100-48MM HC RB	ME010448	1		48 mm 1/2 Circle Round Body	100	12	PLAIN
PLAIN CATGUT 2-0 X 76-30MM CU RB	ME5033	2-0		30 mm 3/8 Circle Round Body	76	12	PLAIN
PLAIN CATGUT 2-0 X 100-37MM HC RB	ME204237	2-0		37 mm 1/2 Circle Round Body	100	12	PLAIN
PLAIN CATGUT 2-0 X 90-22MM HC RB	ME204222	2-0		22 mm 1/2 Circle Round Body	90	12	PLAIN
PLAIN CATGUT 2-0 X 90-26MM HC RB	ME204227	2-0		26 mm 1/2 Circle Round Body	90	12	PLAIN
PLAIN CATGUT 2-0 X 70-24MM CU RC	ME204224	2-0		24 mm 3/8 Circle Reverse Cutting	70	12	PLAIN
PLAIN CATGUT 2-0 X 90-50MM HC RB	ME207333	2-0		50 mm 1/2 Circle Round Body	50	12	PLAIN
PLAIN CATGUT 3-0 X 90-22MM HC RB	ME304322	3-0		22 mm 1/2 Circle Round Body	90	12	PLAIN
PLAIN CATGUT 3-0 X 90-17MM HC RB	ME304317	3-0		17 mm 1/2 Circle Round Body	90	12	PLAIN
PLAIN CATGUT 3-0 X 76-16MM CU CT	ME4285	3-0		16 mm 3/8 Circle Conventional Cutting	76	12	PLAIN
PLAIN CATGUT 3-0 X 75-26MM HC RB	ME304327SL	3-0		26 mm 1/2 Circle Round Body	75	12	PLAIN
PLAIN CATGUT 3-0 X 76-26MM HC RB	ME4236	3-0		26 mm 1/2 Circle Round Body	76	12	PLAIN
PLAIN CATGUT 4-0 X 76-16MM CU RC	ME4283	4-0		16 mm 3/8 Circle Reverse Cutting	76	12	PLAIN

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERISOFT PLAIN (PLAIN CATGUT SUTURE)							
PLAIN CATGUT 5-0 X 76-13MM CU RC	ME4282	5-0		13 mm 3/8 Circle Reverse Cutting	76	12	PLAIN
PLAIN CATGUT 0 X 152	SS2004	0		Non needled	152	12	PLAIN
PLAIN CATGUT 1 X 152	SS2005	1		Non needled	152	12	PLAIN
PLAIN CATGUT 2-0 X 152	SS2003	2-0		Non needled	152	12	PLAIN
PLAIN CATGUT 3-0 X 152	SS2002	3-0		Non needled	152	12	PLAIN

MERISOFT CHROMIC™

Chromic Catgut Suture

Properties

MERISOFT CHROMIC™ gut suture is treated with a chromium salt solution to resist the enzymatic action, prolonging the absorption time to 90 to 120 days.

Indications

MERISOFT CHROMIC™ suture is indicated for use in general soft tissue approximation and/or ligation.

Advantages

- Highest level of collagen guarantees predictable absorption
- Accurate polishing ensures smooth tissue passage
- Packed in liquid to reduce memory & increase pliability



Product Overview

Primary packaging	: Packed in an aluminum foil pouch
Secondary packaging	: Primary pack is loaded in a secondary pouch made of medical grade paper & laminated polyethylene film
Sizes	: USP 6/0 (metric 1) - USP 2 (metric 6)
Colour	: Brown dyed
	
Sterilization	: Gamma radiation

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERISOFT CHROMIC (CHROMIC CATGUT SUTURE)							
CHROMIC CATGUT 0 X 76-30MM CU RB	ME4217	0		30 mm 3/8 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 0 X 76-40MM CU RB	ME4221	0		40 mm 3/8 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 0 X 100-45MM HC RB	ME4229	0		45 mm 1/2 Circle Round Body	100	12	CHROMIC
CHROMIC CATGUT 0 X 76-30MM HC RB	ME4242	0		30 mm 1/2 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 0 X 76-40MM HC RB TN	ME4246	0		40 mm 1/2 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 0 X 76-40MM HC RB TH	ME4258	0		40 mm 1/2 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 0 X 76-36MM HC RB	ME104036	0		36 mm 1/2 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 0 X 100-40MM HC TC	ME4279	0		40 mm 1/2 Circle Taper Cut	100	12	CHROMIC
CHROMIC CATGUT 0 X 76-45MM ST RB	ME4205	0		45 mm Straight Round Body	76	12	CHROMIC
CHROMIC CATGUT 0 X 76-45MM CU RB	ME4225	0		45 mm 3/8 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 0 X 76-45MM HC RB	ME4250	0		45 mm 1/2 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 0 X 76-40MM HC TC	ME4257	0		40 mm 1/2 Circle Taper Cut	76	12	CHROMIC
CHROMIC CATGUT 0 X 76-40MM HC RC	ME104040	0		40 mm 1/2 Circle Reverse Cutting	76	12	CHROMIC
CHROMIC CATGUT 1 X 76-45MM CU RB	ME4226	1		45 mm 3/8 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 1 X 100-45MM HC RB	ME4227	1		45 mm 1/2 Circle Round Body	100	12	CHROMIC
CHROMIC CATGUT 1 X 100-50MM HC RB	ME4248	1		50 mm 1/2 Circle Round Body	100	12	CHROMIC
CHROMIC CATGUT 1 X 76-40MM HC RB	ME4259	1		40 mm 1/2 Circle Round Body	76	12	CHROMIC

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERISOFT CHROMIC (CHROMIC CATGUT SUTURE)							
CHROMIC CATGUT 1 X 75-30MM HC RB	ME014995	1		30 mm 1/2 Circle Round Body	75	12	CHROMIC
CHROMIC CATGUT 1 X 100-40MM HC TRO	ME4239	1		40 mm 1/2 Circle Trocar	100	12	CHROMIC
CHROMIC CATGUT 1 X 76-63MM CU RB	Me4267	1		63 mm 3/8 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 1 X 76-50MM HC RC	ME4273	1		50 mm 1/2 Circle Reverse Cutting	76	12	CHROMIC
CHROMIC CATGUT 1 X 100-40MM HC TC	ME4297	1		40 mm 1/2 Circle Taper Cut	100	12	CHROMIC
CHROMIC CATGUT 2 X 100-45MM HC RB	ME4228	2		45 mm 1/2 Circle Round Body	100	12	CHROMIC
CHROMIC CATGUT 2 X 100-50MM HC RB	ME024250	2		50 mm 1/2 Circle Round Body	100	12	CHROMIC
CHROMIC CATGUT 2 X 100-40MM HC TRO	ME4244	2		40 mm 1/2 Circle Trocar	100	12	CHROMIC
CHROMIC CATGUT 2 X 100-65MM HC RB	ME4278	2		65 mm 1/2 Circle Round Body	100	12	CHROMIC
CHROMIC CATGUT 2 X 75-40MM HC RC	ME024244	2		40 mm 1/2 Circle Reverse Cutting	75	12	CHROMIC
CHROMIC CATGUT 2-0 X 76-30MM CU RB	ME4216	2-0		30 mm 3/8 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 2-0 X 76-30MM HC RB	ME4241	2-0		30 mm 1/2 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 2-0 X 152-36MM HC RCRB DN	ME4277	2-0		36 mm 1/2 Circle Reverse Cutting Round Body	152	12	CHROMIC
CHROMIC CATGUT 2-0 X 75-40MM HC RB	ME200991	2-0		40 mm 1/2 Circle Round Body	75	12	CHROMIC
CHROMIC CATGUT 2-0 X 76-26MM HC RB	ME204225	2-0		26 mm 1/2 Circle Round Body	76	12	CHROMIC

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERISOFT CHROMIC (CHROMIC CATGUT SUTURE)							
CHROMIC CATGUT 2-0 X 76-40MM HC RB	ME4245	2-0		40 mm 1/2 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 2-0 X 76-45MM HC RB	ME4249	2-0		45 mm 1/2 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 2-0 X 76-30MM HC CT	ME4255	2-0		30 mm 1/2 Circle Conventional Cutting	76	12	CHROMIC
CHROMIC CATGUT 2-0 X 76-50MM ST RB	ME4208	2-0		50 mm Straight Round Body	76	12	CHROMIC
CHROMIC CATGUT 2-0 X 75-45MM HC CT	ME200863	2-0		45 mm 1/2 Circle Conventional Cutting	75	12	CHROMIC
CHROMIC CATGUT 3-0 X 76-22MM CU CT	ME4201	3-0		22 mm 3/8 Circle Conventional Cutting	76	12	CHROMIC
CHROMIC CATGUT 3-0 X 76-20MM HC RB	ME4237	3-0		20 mm 1/2 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 3-0 X 75-26MM HC RB	ME300882	3-0		26 mm 1/2 Circle Round Body	75	12	CHROMIC
CHROMIC CATGUT 3-0 X 75-30MM HC RB	ME300172	3-0		30 mm 1/2 Circle Round Body	75	12	CHROMIC
CHROMIC CATGUT 3-0 X 75-26MM CU RC	ME304326	3-0		26 mm 3/8 Circle Reverse Cutting	75	12	CHROMIC
CHROMIC CATGUT 3-0 X 38-16MM FE CT	ME4265	3-0		16 mm 5/8 Circle Conventional Cutting	38	12	CHROMIC
CHROMIC CATGUT 3-0 X 76-16MM CU CT	ME4274	3-0		16 mm 3/8 Circle Conventional Cutting	76	12	CHROMIC
CHROMIC CATGUT 3-0 X 76-12MM HC RC	ME4286	3-0		12 mm 1/2 Circle Reverse Cutting	76	12	CHROMIC
CHROMIC CATGUT 3-0 X 76-26MM CU RC	ME4828	3-0		26 mm 3/8 Circle Reverse Cutting	76	12	CHROMIC
CHROMIC CATGUT 3-0 X 75-26MM HC RC	ME300886	3-0		26 mm 1/2 Circle Reverse Cutting	75	12	CHROMIC
CHROMIC CATGUT 4-0 X 76-16MM CU RB	ME4048	4-0		16 mm 3/8 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 4-0 X 76-16MM CU RC	ME4287	4-0		16 mm 3/8 Circle Reverse Cutting	76	12	CHROMIC
CHROMIC CATGUT 4-0 X 76-17MM CU TC	ME5047	4-0		17 mm 3/8 Circle Taper Cut	76	12	CHROMIC
CHROMIC CATGUT 4-0 X 75-20MM HC RB	ME400181	4-0		20 mm 1/2 Circle Round Body	75	12	CHROMIC
CHROMIC CATGUT 4-0 X 75-17MM HC RB	ME400117	4-0		17 mm 1/2 Circle Round Body	75	12	CHROMIC

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERISOFT CHROMIC (CHROMIC CATGUT SUTURE)							
CHROMIC CATGUT 4-0 X 75-19MM CU RC	ME400419	4-0		19 mm 3/8 Circle Reverse Cutting	75	12	CHROMIC
CHROMIC CATGUT 4-0 X 38-12MM CU RC	ME4266	4-0		12 mm 3/8 Circle Reverse Cutting	38	12	CHROMIC
CHROMIC CATGUT 4-0 X 75-26MM HC RB	ME400121	4-0		26 mm 1/2 Circle Round Body	75	12	CHROMIC
CHROMIC CATGUT 5-0 X 90-12MM CU RC	ME500268	5-0		12 mm 3/8 Circle Reverse Cutting	90	12	CHROMIC
CHROMIC CATGUT 5-0 X 30-10MM FE TC	ME4263	5-0		10 mm 5/8 Circle Taper Cut	30	12	CHROMIC
CHROMIC CATGUT 5-0 X 76-13MM CU RC	ME4276	5-0		13 mm 3/8 Circle Reverse Cutting	76	12	CHROMIC
CHROMIC CATGUT 5-0 X 76-13MM CU RB	ME4289	5-0		13 mm 3/8 Circle Round Body	76	12	CHROMIC
CHROMIC CATGUT 1 X 75-60MM HC RB	ME016075	1		60 mm 1/2 Circle Round Body	75	12	CHROMIC
CHROMIC CATGUT 2 X 75-80MM HC RB	ME028075	2		80 mm 1/2 Circle Round Body	75	12	CHROMIC
CHROMIC CATGUT 0 X 152	SS2214	0		Non needed	152	12	CHROMIC
CHROMIC CATGUT 1 X 152	SS2215	1		Non needed	152	12	CHROMIC
CHROMIC CATGUT 2 X 152	SS2216	2		Non needed	152	12	CHROMIC
CHROMIC CATGUT 2-0 X 152	SS2213	2-0		Non needed	152	12	CHROMIC

FILASILK™

Silk Suture

Indications

- General surgery procedures
- Skin closure
- Oral surgery procedures
- Ophthalmic procedures
- Ligatures

Advantages

- Excellent handling properties
- Good knot security



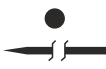
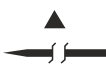
Product Overview

Structure	: Braided
Colour	: Black
Origin	: Silkworm larval cocoons (Bombyx mori)
Composition	: Natural silk filaments
Sizes	: USP 8/0 (metric 0.4) - USP 2 (metric 5)
Sterilization	: Gamma radiation



Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILASILK SILK SUTURE							
SILK BLK 0 X 90-60MM ST CT	SLK100789	0		60 mm Straight Conventional Cutting	90	12	BLACK
SILK BLK 0 X 90-50MM HC RC	SLK100552	0		50 mm 1/2 Circle Reverse Cutting	90	12	BLACK
SILK BLK 0 X 90-35MM CU RC	SLK100371	0		35 mm 3/8 Circle Reverse Cutting	90	12	BLACK
SILK BLK 0 X 76-45MM CU RC	SLK10 5037	0		45 mm 3/8 Circle Reverse Cutting	76	12	BLACK
SILK BLK 0 X 90-30MM HC RB	SLK10 5332	0		30 mm 1/2 Circle Round Body	90	12	BLACK
SILK BLK 0 X 75-30MM HC RC	SLK102223	0		30 mm 1/2 Circle Reverse Cutting	75	12	BLACK
SILK BLK 0 X 45-23MM HC RC	SLK100373	0		23 mm 1/2 Circle Reverse Cutting	45	12	BLACK
SILK BLK 0 X 75-39MM CU CT	SLK105039	0		39 mm 3/8 Circle Conventional Cutting	75	12	BLACK
SILK BLK 0 X 75-30MM HC RB	SLK100334	0		30 mm 1/2 Circle Round Body	75	12	BLACK
SILK BLK 0 X 75-24MM CU RC	SLK105024	0		24 mm 3/8 Circle Reverse Cutting	75	12	BLACK
SILK BLK 0 X 75-37MM HC RB	SLK100337	0		37 mm 1/2 Circle Round Body	75	12	BLACK
SILK BLK 0 X 75-26MM HC RB	SLK100383	0		26 mm 1/2 Circle Round Body	75	12	BLACK
SILK BLK 0 X 75-45MM CU RC	SLK105076	0		45 mm 3/8 Circle Reverse Cutting	75	12	BLACK
SILK BLK 0 X 90-30MM CU RC	SLK102508	0		30 mm 3/8 Circle Reverse Cutting	90	12	BLACK
SILK BLK 0 X 90-30MM CU RB	SLK105030	0		30 mm 3/8 Circle Round Body	90	12	BLACK
SILK BLK 0 X 76-30MM CU RB	SLK10 5017	0		30 mm 3/8 Circle Round Body	76	12	BLACK
SILK BLK 0 X 75-60MM ST CT	SLK1013113	0		60 mm Straight Conventional Cutting	75	12	BLACK
SILK BLK 0 X 100-90MM CU CT	SLK1013114	0		90 mm 3/8 Circle Conventional Cutting	100	12	BLACK
SILK BLK 0 X 75-31MM HC RB	SLK103341	0		31 mm 1/2 Circle Round Body	75	12	BLACK
SILK BLK 0 X 75-40MM CU RC	SLK105040	0		40 mm 3/8 Circle Reverse Cutting	75	12	BLACK

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILASILK SILK SUTURE							
SILK BLK 1 X 75-30MM CU RC	SLK010689	1		30 mm 3/8 Circle Reverse Cutting	75	12	BLACK
SILK BLK 2 X 90-90MM CU RC	SLK020794	2		90 mm 3/8 Circle Reverse Cutting	90	12	BLACK
SILK BLK 2 X 90-40MM HC RB	SLK020936	2		40 mm 1/2 Circle Round Body	90	12	BLACK
SILK BLK 2 X 75-30MM HC RC	SLK025230	2		30 mm 1/2 Circle Reverse Cutting	75	12	BLACK
SILK BLK 2 X 75-40MM HC RC	SLK025340	2		40 mm 1/2 Circle Reverse Cutting	75	12	BLACK
SILK BLK 2 X 75-40MM HC RB	SLK020936SL	2		40 mm 1/2 Circle Round Body	75	12	BLACK
SILK BLK 2 X 100-90MM CU CT	SLK020792	2		90 mm 3/8 Circle Conventional Cutting	100	12	BLACK
SILK BLK 2 X 70-36MM CU RC	SLK021236	2		36 mm 3/8 Circle Reverse Cutting	70	12	BLACK
SILK BLK 2 X 70-39MM CU RC	SLK021239	2		39 mm 3/8 Circle Reverse Cutting	70	12	BLACK
SILK BLK 2 X 75-35MM HC RB	SLK028235	2		35 mm 1/2 Circle Round Body	75	12	BLACK
SILK BLK 1 X 50-90MM CU CT (2 suture per foil)	SLK012797	1		90 mm 3/8 Circle Conventional Cutting	50	12	BLACK
SILK BLK 2-0 X 90-20MM CU RC	SLK200367	2-0		20 mm 3/8 Circle Reverse Cutting	90	12	BLACK
SILK BLK 2-0 X 90-60MM ST CT	SLK200790	2-0		60 mm Straight Conventional Cutting	90	12	BLACK
SILK BLK 2-0 X 76-45MM CU RC	SLK20 5036	2-0		45 mm 3/8 Circle Reverse Cutting	76	12	BLACK
SILK BLK 2-0 X 76-50MM HC RC	SLK20 5052	2-0		50 mm 1/2 Circle Reverse Cutting	76	12	BLACK
SILK BLK 2-0 X 90-30MM HC RB	SLK20 5331	2-0		30 mm 1/2 Circle Round Body	90	12	BLACK
SILK BLK 2-0 X 76-25MM HC TC	SLK20 5670	2-0		25 mm 1/2 Circle Taper Cut	76	12	BLACK
SILK BLK 2-0 X 45-23MM HC RC	SLK200737	2-0		23 mm 1/2 Circle Reverse Cutting	45	12	BLACK
SILK BLK 2-0 X 75-22MM HC RB	SLK205222	2-0		22 mm 1/2 Circle Round Body	75	12	BLACK

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILASILK SILK SUTURE							
SILK BLK 2-0 X 75-26MM HC RB	SLK200327	2-0		26 mm 1/2 Circle Round Body	75	12	BLACK
SILK BLK 2-0 X 75-17MM HC RB	SLK205610	2-0		17 mm 1/2 Circle Round Body	75	12	BLACK
SILK BLK 2-0 X 75-25MM HC CT	SLK205225	2-0		25 mm 1/2 Circle Conventional Cutting	75	12	BLACK
SILK BLK 2-0 X 76-50MM ST RB	SLK20 5208	2-0		50 mm Straight Round Body	76	12	BLACK
SILK BLK 2-0 X 90-15MM CU RC	SLK200503	2-0		15 mm 3/8 Circle Reverse Cutting	90	12	BLACK
SILK BLK 2-0 X 75-22MM HC CT	SLK2052221	2-0		22 mm 1/2 Circle Conventional Cutting	75	12	BLACK
SILK BLK 2-0 X 76-60MM ST CT	SLK20 5290	2-0		60 mm Straight Conventional Cutting	76	12	BLACK
SILK BLK 2-0 X 100-90MM CU CT	SLK200791	2-0		90 mm 3/8 Circle Conventional Cutting	100	12	BLACK
SILK BLK 2-0 X 45-26MM CU RC	SLK200685	2-0		26 mm 3/8 Circle Reverse Cutting	45	12	BLACK
SILK BLK 2-0 X 75-30MM HC CT	SLK205231	2-0		30 mm 1/2 Circle Conventional Cutting	75	12	BLACK
SILK BLK 2-0 X 90-26MM HC RB	SLK200327XL	2-0		26 mm 1/2 Circle Round Body	90	12	BLACK
SILK BLK 2-0 X 75-26MM CU RC	SLK200685XL	2-0		26 mm 3/8 Circle Reverse Cutting	75	12	BLACK
SILK BLK 2-0 X 90-24MM CU RB	SLK205224	2-0		24 mm 3/8 Circle Round Body	90	12	BLACK
SILK BLK 2-0 X 90-26MM CU CT	SLK205226	2-0		26 mm 3/8 Circle Conventional Cutting	90	12	BLACK
SILK BLK 2-0 X 45-30MM HC RC	SLK200530	2-0		30 mm 1/2 Circle Reverse Cutting	45	12	BLACK
SILK BLK 2-0 X 75-30MM CU RC	SLK205230	2-0		30 mm 3/8 Circle Reverse Cutting	75	12	BLACK
SILK BLK 2-0 X 75-16MM CU CT	SLK200509	2-0		16 mm 3/8 Circle Conventional Cutting	75	12	BLACK
SILK BLK 2-0 X 76-25MM HC RB	SLK205671	2-0		25 mm 1/2 Circle Round Body	76	12	BLACK
SILK BLK 2-0 X 100-55MM ST CT	SLK200775	2-0		55 mm Straight Conventional Cutting	100	12	BLACK
SILK BLK 2-0 X 76-36MM CU RC	SLK205236	2-0		36 mm 3/8 Circle Reverse Cutting	76	12	BLACK
SILK BLK 2-0 X 76-26MM HC RB VB	SLK20 5065	2-0		26 mm 1/2 Circle Round Body	76	12	BLACK

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILASILK SILK SUTURE							
SILK BLK 2-0 X 90-17MM HC TC	SLK20 5611	2-0		17 mm 1/2 Circle Taper Cut	90	12	BLACK
SILK BLK 2-0 X 76-30MM HC RB VB	SLK20 533VB	2-0		30 mm 1/2 Circle Round Body	76	12	BLACK
SILK BLK 2-0 X 100-75MM ST CT	SLK2013102	2-0		75 mm Straight Conventional Cutting	100	12	BLACK
SILK BLK 2-0 X 90-35MM CU RC	SLK200667	2-0		35 mm 3/8 Circle Reverse Cutting	90	12	BLACK
SILK BLK 2-0 X 75-36MM CU RC	SLK205275	2-0		36 mm 3/8 Circle Reverse Cutting	75	12	BLACK
SILK BLK 2-0 X 75-35MM CU CT	SLK202429	2-0		35 mm 3/8 Circle Conventional Cutting	75	12	BLACK
SILK BLK 2-0 X 75-80MM CU CT	SLK200261	2-0		80 mm 3/8 Circle Conventional Cutting	75	12	BLACK
SILK BLK 2-0 X 75-30MM HC RB	SLK200333	2-0		30 mm 1/2 Circle Round Body	75	12	BLACK
SILK BLK 2-0 X 75-48MM HC CT	SLK200552	2-0		48 mm 1/2 Circle Conventional Cutting	75	12	BLACK
SILK BLK 2-0 X 75-60MM ST CT	SLK200790SL	2-0		60 mm Straight Conventional Cutting	75	12	BLACK
SILK BLK 2-0 X 45-24MM CU RC	SLK200695	2-0		24 mm 3/8 Circle Reverse Cutting	45	12	BLACK
SILK BLK 2-0 X 100-40MM CU CT	SLK203959	2-0		40 mm 3/8 Circle Conventional Cutting	100	12	BLACK
SILK BLK 2-0 X 45-30MM HC RC C1	SLK205227	2-0		30 mm 1/2 Circle Reverse Cutting	45	12	BLACK
SILK BLK 2-0 X 75-75MM ST CT	SLK200766	2-0		75 mm Straight Conventional Cutting	75	12	BLACK
SILK BLK 2-0 X 76-30MM HC RB	SLK20 5333	2-0		30 mm 1/2 Circle Round Body	76	12	BLACK
SILK BLK 2-0 X 90-35MM HC CT	SLK20 5335	2-0		35 mm 1/2 Circle Conventional Cutting	90	12	BLACK
SILK BLK 2-0 X 75-39MM CU RC	SLK200648	2-0		39 mm 3/8 Circle Reverse Cutting	75	12	BLACK
SILK BLK 2-0 X 100-60MM ST RC	SLK200723	2-0		60 mm Straight Reverse Cutting	100	12	BLACK
SILK BLK 2-0 X 75-40MM HC RB	SLK200584	2-0		40 mm 1/2 Circle Round Body	75	12	BLACK

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILASILK SILK SUTURE							
SILK BLK 2-0 X 70-36MM HC RB	SLK201336	2-0		36 mm 1/2 Circle Round Body	70	12	BLACK
SILK BLK 3-0 X 90-60MM ST CT	SLK300622	3-0		60 mm Straight Conventional Cutting	90	12	BLACK
SILK BLK 3-0 X 90-25MM HC RC	SLK300379	3-0		25 mm 1/2 Circle Reverse Cutting	90	12	BLACK
SILK BLK 3-0 X 90-16MM CU CT	SLK30 5003	3-0		16 mm 3/8 Circle Conventional Cutting	90	12	BLACK
SILK BLK 3-0 X 76-26MM CU RC	SLK30 5028	3-0		26 mm 3/8 Circle Reverse Cutting	76	12	BLACK
SILK BLK 3-0 X 90-25MM HC RB	SLK30 5085	3-0		25 mm 1/2 Circle Round Body	90	12	BLACK
SILK BLK 3-0 X 76-20MM HC RB	SLK30 5087	3-0		20 mm 1/2 Circle Round Body	76	12	BLACK
SILK BLK 3-0 X 75-24MM CU RC	SLK300684	3-0		24 mm 3/8 Circle Reverse Cutting	75	12	BLACK
SILK BLK 3-0 X 75-17MM HC RB	SLK3054601	3-0		17 mm 1/2 Circle Round Body	75	12	BLACK
SILK BLK 3-0 X 75-22MM HC RB	SLK300587	3-0		22 mm 1/2 Circle Round Body	75	12	BLACK
SILK BLK 3-0 X 75-30MM CU RC	SLK300675	3-0		30 mm 3/8 Circle Reverse Cutting	75	12	BLACK
SILK BLK 3-0 X 75-26MM HC RB	SLK300832	3-0		26 mm 1/2 Circle Round Body	75	12	BLACK
SILK BLK 3-0 X 75-30MM HC RB	SLK300571	3-0		30 mm 1/2 Circle Round Body	75	12	BLACK
SILK BLK 3-0 X 45-21MM HC RC	SLK300632	3-0		21 mm 1/2 Circle Reverse Cutting	45	12	BLACK
SILK BLK 3-0 X 75-16MM CU RC	SLK300882	3-0		16 mm 3/8 Circle Reverse Cutting	75	12	BLACK
SILK BLK 3-0 X 75-22MM HC CT	SLK302508	3-0		22 mm 1/2 Circle Conventional Cutting	75	12	BLACK
SILK BLK 3-0 X 45-16MM CU RC	SLK300883	3-0		16 mm 3/8 Circle Reverse Cutting	45	12	BLACK
SILK BLK 3-0 X 75-19MM CU RB	SLK305319	3-0		19 mm 3/8 Circle Round Body	75	12	BLACK
SILK BLK 3-0 X 90-20MM HC RB	SLK300588	3-0		20 mm 1/2 Circle Round Body	90	12	BLACK
SILK BLK 3-0 X 90-19MM CU RC	SLK302231	3-0		19 mm 3/8 Circle Reverse Cutting	90	12	BLACK
SILK BLK 3-0 X 75-30MM HC RC	SLK305330	3-0		30 mm 1/2 Circle Reverse Cutting	75	12	BLACK

SILK BLK 3-0 X 45-20MM HC RB	SLK30 5087SL	3-0		20 mm 1/2 Circle Round Body	45	12	BLACK
SILK BLK 3-0 X 45-26MM CU RC	SLK30 5028SL	3-0		26 mm 3/8 Circle Reverse Cutting	45	12	BLACK
SILK BLK 3-0 X 76-22MM HC RB VB	SLK30 5064	3-0		22 mm 1/2 Circle Round Body	76	12	BLACK
SILK BLK 3-0 X 90-35MM HC RB	SLK30 5100	3-0		35 mm 1/2 Circle Round Body	90	12	BLACK
SILK BLK 3-0 X 76-20MM HC RB VB	SLK30 587VB	3-0		20 mm 1/2 Circle Round Body	76	12	BLACK
SILK BLK 3-0 X 75-16MM CU CT	SLK3013086	3-0		16 mm 3/8 Circle Conventional Cutting	75	12	BLACK
SILK BLK 3-0 X 75-60MM ST CT	SLK3013089	3-0		60 mm Straight Conventional Cutting	75	12	BLACK
SILK BLK 3-0 X 45-24MM CU RC	SLK300684SL	3-0		24 mm 3/8 Circle Reverse Cutting	45	12	BLACK
SILK BLK 3-0 X 45-25MM HC RC	SLK305323	3-0		25 mm 1/2 Circle Reverse Cutting	45	12	BLACK
SILK BLK 3-0 X 45-22MM HC CT	SLK302508SL	3-0		22 mm 1/2 Circle Conventional Cutting	45	12	BLACK
SILK BLK 3-0 X 35-17MM HC RB (6 in 1)	SLK306540	3-0		17 mm 1/2 Circle Round Body	35	12	BLACK
SILK BLK 3-0 X 90-35MM CU RC	SLK300666	3-0		35 mm 3/8 Circle Reverse Cutting	90	12	BLACK
SILK BLK 3-0 X 76-16MM CU CT	SLK30 5002	3-0		16 mm 3/8 Circle Conventional Cutting	76	12	BLACK
SILK BLK 3-0 X 76-25MM HC RB	SLK30 5070	3-0		25 mm 1/2 Circle Round Body	76	12	BLACK
SILK BLK 3-0 X 75-17MM HC TC	SLK3054602	3-0		17 mm 1/2 Circle Taper Cut	75	12	BLACK
SILK BLK 3-0 X 45-15MM HC RC	SLK305345	3-0		15 mm 1/2 Circle Reverse Cutting	45	12	BLACK
SILK BLK 4-0 X 90-20MM HC RC	SLK400377	4-0		20 mm 1/2 Circle Reverse Cutting	90	12	BLACK
SILK BLK 4-0 X 90-16MM CU CT	SLK40 5000	4-0		16 mm 3/8 Circle Conventional Cutting	90	12	BLACK
SILK BLK 4-0 X 90-16MM HC RB	SLK40 5050	4-0		16 mm 1/2 Circle Round Body	90	12	BLACK
SILK BLK 4-0 X 76-16MM CU RB	SLK40 5082	4-0		16 mm 3/8 Circle Round Body	76	12	BLACK
SILK BLK 4-0 X 76-20MM HC RB	SLK40 5086	4-0		20 mm 1/2 Circle Round Body	76	12	BLACK
SILK BLK 4-0 X 75-24MM CU RC	SLK400629	4-0		24 mm 3/8 Circle Reverse Cutting	75	12	BLACK

Description	FG Code	Size	Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILASILK SILK SUTURE						
SILK BLK 1 X 45 (45X12)	SLS014512	1	Non needed	45	12	BLACK
SILK BLK 2 X 76 (76X2)	SLS02 216	2	Non needed	76	12	BLACK
SILK BLK 2 X 180	SLS02180	2	Non needed	180	12	BLACK
SILK BLK 2 X 270 (45X6)	SLS02364	2	Non needed	45	12	BLACK
SILK BLK 2 X 250	SLS02252	2	Non needed	250	12	BLACK
SILK BLK 2 X 45 (45X12)	SLS024512	2	Non needed	45	12	BLACK
SILK BLK 3 X 76 (76X2)	SLS03 217	3	Non needed	76	12	BLACK
SILK BLK 2-0 X 76 (76X2)	SLS20 213	2-0	Non needed	76	12	BLACK
SILK BLK 2-0 X 75 (75X12)	SLS20305	2-0	Non needed	75	12	BLACK
SILK BLK 2-0 X 180	SLS20180	2-0	Non needed	180	12	BLACK
SILK BLK 2-0 X 75 (75X5)	SLS20375	2-0	Non needed	75	12	BLACK
SILK BLK 2-0 X 35 (35X10)	SLS20 223	2-0	Non needed	35	12	BLACK
SILK BLK 2-0 X 45 (45X17)	SLS20203	2-0	Non needed	45	12	BLACK
SILK BLK 2-0 X 75 (75X10)	SLS201075	2-0	Non needed	75	12	BLACK
SILK BLK 2-0 X 250-2D	SLS20253Y	2-0	Non needed	250	24	BLACK
SILK BLK 2-0 X 150 (150X2)	SLS20605	2-0	Non needed	150	12	BLACK
SILK BLK 2-0 X 250	SLS20253	2-0	Non needed	250	12	BLACK
SILK BLK 2-0 X 45 (45X12)	SLS204512	2-0	Non needed	45	12	BLACK
SILK BLK 3-0 X 76 (76X2)	SLS30 212	3-0	Non needed	76	12	BLACK
SILK BLK 3-0 X 35 (35X10)	SLS30 222	3-0	Non needed	35	12	BLACK
SILK BLK 3-0 X 75 (75X10)	SLS30750	3-0	Non needed	75	12	BLACK
SILK BLK 3-0 X 180	SLS30180	3-0	Non needed	180	12	BLACK
SILK BLK 3-0 X 45 (45X17)	SLS30202	3-0	Non needed	45	12	BLACK
SILK BLK 3-0 X 45 (45X12)	SLS304512	3-0	Non needed	45	12	BLACK
SILK BLK 4-0 X 76 (76X2)	SLS40 211	4-0	Non needed	76	12	BLACK
SILK BLK 0 X 25MTR (6 EA PER BOX)	SLK10 824R	0	Non needed	25 Mtr	6	BLACK
SILK BLK 1 X 25MTR (6 EA PER BOX)	SLK01 825R	1	Non needed	25 Mtr	6	BLACK
SILK BLK 2 X 25MTR (6 EA PER BOX)	SLK02 826R	2	Non needed	25 Mtr	6	BLACK
SILK BLK 2-0 X 25MTR (6 EA PER BOX)	SLK20 823R	2-0	Non needed	25 Mtr	6	BLACK
SILK BLK 3-0 X 25MTR (6 EA PER BOX)	SLK30 822R	3-0	Non needed	25 Mtr	6	BLACK

MERISTEELTM

Steel Suture

Indications

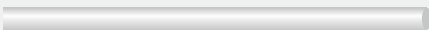
- Orthopedic procedures
- Sternum closure

Advantages

- Exceptional tensile strength
- Excellent tissue compatibility



Product Overview

Structure	: Monofilament
Colour	: Silver/Steel
	
Chemical composition	: Stainless steel
Sizes	: USP 5 (metric 1) - USP 6 (metric 8)
Sterilization	: Gamma radiation

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERISTEEL (STEEL SUTURE)							
STEEL WIRE 0 X 45-17MM HC BP (45X2)	STC600	0		17 mm 1/2 Circle Blunt Point	45	12	-
STEEL WIRE 1 X 45-40MM HC TC (45X4)	STC660	1		40 mm 1/2 Circle Taper Cut	45	12	-
STEEL WIRE 1 X 45-40MM HC BP (45X4)	STC661	1		40 mm 1/2 Circle Blunt Point	45	12	-
STEEL WIRE 1 X 45-35MM HC RB BLUNT	STC9435	1		35 mm 1/2 Circle Blunt Point	45	12	-
STEEL WIRE 2 X 45-40MM HC TC (45X4)	STC650	2		40 mm 1/2 Circle Taper Cut	45	12	-
STEEL WIRE 2 X 45-40MM HC BP (45X4)	STC662	2		40 mm 1/2 Circle Blunt Point	45	12	-
STEEL WIRE 2 X 45-40MM HC RB	STC9540	2		40 mm 1/2 Circle Round Body	45	12	-
STEEL WIRE 4 X 45-40MM HC BP (45X4)	STC664	4		40 mm 1/2 Circle Blunt Point	45	12	-
STEEL WIRE 4 X 45-48MM HC CT (45X4)	STC652	4		48 mm 1/2 Circle Conventional Cutting	45	12	-
STEEL WIRE 4 X 75-48MM HC TC (75X2)	STC040651	4		48 mm 1/2 Circle Taper Cut	75	12	-
STEEL WIRE 5 X 75-55MM HC RC(75X2)	STC050945	5		55 mm 1/2 Circle Reverse Cutting	75	12	-
STEEL WIRE 5 X 45-48MM HC CT (45X4)	STC653	5		48 mm 1/2 Circle Conventional Cutting	45	12	-
STEEL WIRE 5 X 45-44MM HC RB BP (45X4)	STC9455	5		44 mm 1/2 Circle Blunt Point	45	6	-
STEEL WIRE 5 X 75-44MM HC RB BP (75X2)	STC9495	5		44 mm 1/2 Circle Blunt Point	75	6	-
STEEL WIRE 5 X 45-48MM HC RB BP (45X4)	STC9497	5		48 mm 1/2 Circle Blunt Point	45	12	-
STEEL WIRE 5 X 45-48MM HC CT (45X1)	STC9653	5		48 mm 1/2 Circle Conventional Cutting	45	12	-

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERISTEEL (STEEL SUTURE)							
STEEL WIRE 5 X 45-48MM HC TC (45X4)	STC05650	5		48 mm 1/2 Circle Taper Cut	45	12	-
STEEL WIRE 6 X 45-48MM HC CT (45X4)	STC654	6		48 mm 1/2 Circle Conventional Cutting	45	12	-
STEEL WIRE 6 X 45-44MM HC RB BP (45X4)	STC9456	6		44 mm 1/2 Circle Blunt Point	45	6	-
STEEL WIRE 6 X 75-44MM HC RB BP (75X2)	STC9494	6		44 mm 1/2 Circle Blunt Point	75	6	-
STEEL WIRE 6 X 45-48MM HC CT (45X1)	STC9654	6		48 mm 1/2 Circle Conventional Cutting	45	12	-
STEEL WIRE 6 X 45-48MM CU CT (45X6)	STC9654CU	6		48 mm 3/8 Circle Conventional Cutting	45	12	-
SS WIRE 6X45-48 HCCT (45X1)44 HCBP(45X3)	STC700	6		48/44 mm 1/2 Circle Conventional Cutting Blunt Point	45	12	-
STEEL WIRE 6 X 75-65MM HC RB BLUNT	STC9656	6		65 mm 1/2 Circle Blunt Point	75	12	-
STEEL WIRE 7 X 75-50MM HC RC (75X2)	STC070624	7		50 mm 1/2 Circle Reverse Cutting	75	12	-

Indications

- Skin closure (intracutaneous, subcutaneous)
- Plastic and reconstructive procedures
- Microsurgery procedures
- Ophthalmic procedures

Advantages

- Flexible, easy to handle and tie
- Smooth passage through tissue
- Excellent histocompatibility



Product Overview

Structure	: Monofilament
Colour	: Black
Chemical composition	: Polyamide 6 - 6.6
Sizes	: USP 10/0 (metric 0.2) - USP 2 (metric 5)
Sterilization	: Gamma radiation

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAMIDE (POLYAMIDE SUTURE)							
POLYAMIDE BLK 1 X 100-30MM HC RB	NYL010500	1		30 mm 1/2 Circle Round Body	100	12	BLACK
POLYAMIDE BLK 1 X 100-48MM HC RB	NYL010749	1		48 mm 1/2 Circle Round Body	100	12	BLACK
POLYAMIDE BLK 1 X 100-48MM HC RC	NYL013148	1		48 mm 1/2 Circle Reverse Cutting	100	12	BLACK
POLYAMIDE BLK 1 X 200-45MM HC TC LOOP	NYL010758	1		45 mm 1/2 Circle Taper Cut	200	12	BLACK
POLYAMIDE BLK 1 X 150-50MM HC RB BP LOOP	NYL010729XL	1		50 mm 1/2 Circle Blunt Point	150	12	BLACK
POLYAMIDE BLK 1 X 200-48MM HC RB LOOP	NYL010768	1		48 mm 1/2 Circle Round Body	200	12	BLACK
POLYAMIDE BLK 2 X 90-48MM HC RC	NYL023259	2		48 mm 1/2 Circle Reverse Cutting	90	12	BLACK
POLYAMIDE BLK 2 X 75-45MM HC RB	NYL023245	2		45 mm 1/2 Circle Round Body	75	12	BLACK
POLYAMIDE BLK 2 X 90-90MM CU RC	NYL023290	2		90 mm 3/8 Circle Reverse Cutting	90	12	BLACK
POLYAMIDE BLK 2 X 75-40MM HC RC	NYL022407	2		40 mm 1/2 Circle Reverse Cutting	75	12	BLACK
POLYAMIDE BLK 2 X 70-90MM CU CT	NYL02 3398	2		90 mm 3/8 Circle Conventional Cutting	70	12	BLACK
POLYAMIDE BLK 2 X 75-35MM HC RB	NYL023235	2		35 mm 1/2 Circle Round Body	75	12	BLACK
POLYAMIDE BLK 2 X 45-78MM CU CT	NYL020290	2		78 mm 3/8 Circle Conventional Cutting	45	12	BLACK
POLYAMIDE BU 2 X 100-90MM CU CT	NYL020798BU	2		90 mm 3/8 Circle Conventional Cutting	100	12	BLUE
POLYAMIDE BLK 2 X 75-40MM HC RC EX	NYL02 3240	2		40 mm 1/2 Circle Reverse Cutting	75	12	BLACK

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAMIDE (POLYAMIDE SUTURE)							
POLYAMIDE BLK 0 X 150-40MM HC BP LOOP	NYL10724	0		40 mm 1/2 Circle Blunt Point	150	12	BLACK
POLYAMIDE BLK 10-0 X 30-6MM HC SM DN	NYL100 7000DN	10-0		6 mm 1/2 Circle Spatula Micropoint Spatula Micropoint	30	12	BLACK
POLYAMIDE BLK 10-0 X 38-06MM CU SM	NYL100 3718	10-0		6 mm 3/8 Circle Spatula Micropoint	38	12	BLACK
POLYAMIDE BLK 10-0 X 38-06MM CU SM DN	NYL100 3719	10-0		6 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	38	12	BLACK
POLYAMIDE BLK 10-0 X 13-06MM CU SM	NYL1007770	10-0		6 mm 3/8 Circle Spatula Micropoint	13	12	BLACK
POLYAMIDE BLK 10-0 X 30-6.5MM CU SM DN	NYL100 9003DN	10-0		6 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	30	12	BLACK
POLYAMIDE BLK 10-0 X 13-05MM CU RB	NYL100 2850	10-0		5 mm 3/8 Circle Round Body	13	12	BLACK
POLYAMIDE BLK 10-0 X 25-04MM CU RB	NYL100 3314	10-0		4 mm 3/8 Circle Round Body	25	12	BLACK
POLYAMIDE BLK 10-0 X 20-06MM CU SM DN	NYL100 3717DN	10-0		6 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	20	12	BLACK
POLYAMIDE BLK 10-0 X 38-6MM CU SM	NYL100 3720	10-0		6 mm 3/8 Circle Spatula Micropoint	38	12	BLACK
POLYAMIDE BLK 10-0 X 30-6MM CU SM DN	NYL100 7003DN	10-0		6 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	30	12	BLACK
POLYAMIDE BLK 10-0 X 30-6.5MM CU SM	NYL100 7061	10-0		6.5 mm 3/8 Circle Spatula Micropoint	30	12	BLACK
POLYAMIDE BLK 10-0 X 90-5MM HC SM	NYL1007000	10-0		5 mm 1/2 Circle Spatula Micropoint	90	12	BLACK
POLYAMIDE BLK 10-0 X 13-3.8MM CU RB	NYL100 2870	10-0		3.8 mm 3/8 Circle Round Body	13	12	BLACK
POLYAMIDE BLK 10-0 X 30-5.5MM HC SM DN	NYL100 9000DN	10-0		5.5 mm 1/2 Circle Spatula Micropoint Spatula Micropoint	30	12	BLACK
POLYAMIDE BLK 11-0 X 13-3.8MM CU RB	NYL110 2881	11-0		3.8 mm 3/8 Circle Round Body	13	12	BLACK
POLYAMIDE BLK 2-0 X 90-38MM CU RC	NYL202422	2-0		38 mm 3/8 Circle Reverse Cutting	90	12	BLACK
POLYAMIDE BLK 2-0 X 90-25MM CU RC	NYL206641	2-0		25 mm 3/8 Circle Reverse Cutting	90	12	BLACK
POLYAMIDE BLK 2-0 X 90-36MM HC RC	NYL203256	2-0		36 mm 1/2 Circle Reverse Cutting	90	12	BLACK

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Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAMIDE (POLYAMIDE SUTURE)							
POLYAMIDE BLK 2-0 X 70-45MM CU RC	NYL20 3336	2-0		45 mm 3/8 Circle Reverse Cutting	70	12	BLACK
POLYAMIDE BLK 2-0 X 35-45MM CU RC	NYL20 3336SL	2-0		45 mm 3/8 Circle Reverse Cutting	35	12	BLACK
POLYAMIDE BLK 2-0 X 100-31MM HC RB	NYL200568	2-0		31 mm 1/2 Circle Round Body	100	12	BLACK
POLYAMIDE BLK 2-0 X 45-26MM CU RC	NYL200664	2-0		26 mm 3/8 Circle Reverse Cutting	45	12	BLACK
POLYAMIDE BLK 2-0 X 90-26MM CU RC	NYL201626	2-0		26 mm 3/8 Circle Reverse Cutting	90	12	BLACK
POLYAMIDE BLK 2-0 X 90-30MM CU RC	NYL203232	2-0		30 mm 3/8 Circle Reverse Cutting	90	12	BLACK
POLYAMIDE BLK 2-0 X 75-24MM CU CT	NYL203224	2-0		24 mm 3/8 Circle Conventional Cutting	75	12	BLACK
POLYAMIDE BLK 2-0 X 75-40MM HC RB	NYL205240	2-0		40 mm 1/2 Circle Round Body	75	12	BLACK
POLYAMIDE BLK 2-0 X 70-60MM ST CT	NYL20 3390	2-0		60 mm Straight Conventional Cutting	70	12	BLACK
POLYAMIDE BU 2-0 X 100-55MM ST CT	NYL2013506	2-0		55 mm Straight Conventional Cutting	100	12	BLUE
POLYAMIDE BU 2-0 X 90-39MM CU RC	NYL202751	2-0		39 mm 3/8 Circle Reverse Cutting	90	12	BLUE
POLYAMIDE BU 2-0 X 100-45MM CU RC	NYL205859	2-0		45 mm 3/8 Circle Reverse Cutting	100	12	BLUE
POLYAMIDE BU 2-0 X 75-26MM CU RC	NYL201626BU	2-0		26 mm 3/8 Circle Reverse Cutting	75	12	BLUE
POLYAMIDE BU 2-0 X 45-40MM CU CT	NYL200786	2-0		40 mm 3/8 Circle Conventional Cutting	45	12	BLUE
POLYAMIDE BLK 2-0 X 100-45MM CU RC	NYL20 3336XL	2-0		45 mm 3/8 Circle Reverse Cutting	100	12	BLACK
POLYAMIDE BU 2-0 X 100-90MM CU RC	NYL200795	2-0		90 mm 3/8 Circle Reverse Cutting	100	12	BLUE
POLYAMIDE BLK 2-0 X 100-45MM CU RC EX	NYL200736	2-0		45 mm 3/8 Circle Reverse Cutting	100	12	BLACK
POLYAMIDE BLK 2-0 X 70-40MM CU RC	NYL20 3333	2-0		40 mm 3/8 Circle Reverse Cutting	70	12	BLACK
POLYAMIDE BLK 2-0 X 100-60MM CU RC	NYL200728	2-0		60 mm 3/8 Circle Reverse Cutting	100	12	BLACK
POLYAMIDE BU 2-0 X 100-90MM CU CT	NYL200796	2-0		90 mm 3/8 Circle Conventional Cutting	100	12	BLUE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAMIDE (POLYAMIDE SUTURE)							
POLYAMIDE BLK 2-0 X 90-30MM CU RC-3D	NYL203232Z	2-0		30 mm 3/8 Circle Reverse Cutting	90	36	BLACK
POLYAMIDE BLK 2-0 X 90-26MM HC RC	NYL209026	2-0		26 mm 1/2 Circle Reverse Cutting	90	12	BLACK
POLYAMIDE BLK 2-0 X 70-30MM CU RB	NYL207030	2-0		30 mm 3/8 Circle Round Body	70	12	BLACK
POLYAMIDE BLK 2-0 X 90-55MM ST CT	NYL200776	2-0		55 mm Straight Conventional Cutting	90	12	BLACK
POLYAMIDE BLK 2-0 X 90-30MM HC RC	NYL203682	2-0		30 mm 1/2 Circle Reverse Cutting	90	12	BLACK
POLYAMIDE BLK 2-0 X 90-60MM ST CT	NYL200628	2-0		60 mm Straight Conventional Cutting	90	12	Black
POLYAMIDE BLK 2-0 X 75-19MM CU RC	NYL2033210	2-0		19 mm 3/8 Circle Reverse Cutting	75	12	BLACK
POLYAMIDE BLK 2-0 X 45-24MM CU RC	NYL2093368	2-0		24 mm 3/8 Circle Reverse Cutting	45	12	BLACK
POLYAMIDE BLK 3-0 X 90-25MM CU RB	NYL306631	3-0		25 mm 3/8 Circle Round Body	90	12	BLACK
POLYAMIDE BLK 3-0 X 90-35MM CU RC	NYL301627	3-0		35 mm 3/8 Circle Reverse Cutting	90	12	BLACK
POLYAMIDE BLK 3-0 X 70-26MM CU RC	NYL30 3328	3-0		26 mm 3/8 Circle Reverse Cutting	70	12	BLACK
POLYAMIDE BLK 3-0 X 35-26MM CU RC	NYL30 3328SL	3-0		26 mm 3/8 Circle Reverse Cutting	35	12	BLACK
POLYAMIDE BLK 3-0 X 70-16MM CU CT	NYL30 3321	3-0		16 mm 3/8 Circle Conventional Cutting	70	12	BLACK
POLYAMIDE BLK 3-0 X 45-19MM CU RC	NYL301621	3-0		19 mm 3/8 Circle Reverse Cutting	45	12	BLACK
POLYAMIDE BLK 3-0 X 90-26MM CU RC	NYL301625	3-0		26 mm 3/8 Circle Reverse Cutting	90	12	BLACK
POLYAMIDE BLK 3-0 X 90-19MM CU RC	NYL301622	3-0		19 mm 3/8 Circle Reverse Cutting	90	12	BLACK
POLYAMIDE BLK 3-0 X 75-35MM HC RB	NYL303335	3-0		35 mm 1/2 Circle Round Body	75	12	BLACK
POLYAMIDE BLK 3-0 X 75-25MM CU CT	NYL303326	3-0		25 mm 3/8 Circle Conventional Cutting	75	12	BLACK
POLYAMIDE BLK 3-0 X 75-40MM HC RB	NYL305340	3-0		40 mm 1/2 Circle Round Body	75	12	BLACK
POLYAMIDE BLK 3-0 X 70-60MM ST CT	NYL30 3388	3-0		60 mm Straight Conventional Cutting	70	12	BLACK

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAMIDE (POLYAMIDE SUTURE)							
POLYAMIDE BU 3-0 X 45-19MM CU RC	NYL3013498	3-0		19 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYAMIDE BU 3-0 X 75-26MM CU RC	NYL301685	3-0		26 mm 3/8 Circle Reverse Cutting	75	12	BLUE
POLYAMIDE BU 3-0 X 75-60MM ST CT	NYL306441	3-0		60 mm Straight Conventional Cutting	75	12	BLUE
POLYAMIDE BU 3-0 X 45-26MM CU RC	NYL301625BU	3-0		26 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYAMIDE BU 3-0 X 45-24MM CU RC	NYL301857	3-0		24 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYAMIDE BLK 3-0 X 100-30MM CU RC-3D	NYL303330Z	3-0		30 mm 3/8 Circle Reverse Cutting	100	36	BLACK
POLYAMIDE BLK 3-0 X 90-22MM HC RB	NYL309022	3-0		22 mm 1/2 Circle Round Body	90	12	BLACK
POLYAMIDE BLK 3-0 X 45-26MM CU RC	NYL301625SL	3-0		26 mm 3/8 Circle Reverse Cutting	45	12	BLACK
POLYAMIDE BLK 3-0 X 75-24MM CU RC	NYL305669	3-0		24 mm 3/8 Circle Reverse Cutting	75	12	BLACK
POLYAMIDE BLK 3-0 X 75-60MM ST CT	NYL300627	3-0		60 mm Straight Conventional Cutting	75	12	Black
POLYAMIDE BU 3-0 X 100-26MM CU CT	NYL3013500	3-0		26 mm 3/8 Circle Conventional Cutting	100	12	Blue
POLYAMIDE BLK 3-0 X 100-30MM CU RC	NYL303330	3-0		30 mm 3/8 Circle Reverse Cutting	100	12	Black
POLYAMIDE BLK 3-0 X 75-20MM HC RC	NYL303370	3-0		20 mm 1/2 Circle Reverse Cutting	75	12	Black
POLYAMIDE BLK 4-0 X 90-16MM CU CT	NYL40 3319	4-0		16 mm 3/8 Circle Conventional Cutting	90	12	BLACK
POLYAMIDE BLK 4-0 X 45-11MM CU RC	NYL401612	4-0		11 mm 3/8 Circle Reverse Cutting	45	12	BLACK
POLYAMIDE BLK 4-0 X 75-19MM CU RC	NYL401619	4-0		19 mm 3/8 Circle Reverse Cutting	75	12	BLACK
POLYAMIDE BLK 4-0 X 45-19MM CU RC	NYL401620	4-0		19 mm 3/8 Circle Reverse Cutting	45	12	BLACK
POLYAMIDE BLK 4-0 X 45-16MM CU RC	NYL401861	4-0		16 mm 3/8 Circle Reverse Cutting	45	12	BLACK
POLYAMIDE BLK 4-0 X 90-19MM CU RC	NYL401618	4-0		19 mm 3/8 Circle Reverse Cutting	90	12	BLACK
POLYAMIDE BLK 4-0 X 75-19MM CU CT	NYL403419	4-0		19 mm 3/8 Circle Conventional Cutting	75	12	BLACK
POLYAMIDE BLK 4-0 X 75-28MM HC RB	NYL405428	4-0		28 mm 1/2 Circle Round Body	75	12	BLACK

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAMIDE (POLYAMIDE SUTURE)							
POLYAMIDE BLK 8-0 X 38-6MM CU SM DN	NYL80 3324DN	8-0		6 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	38	12	BLACK
POLYAMIDE BLK 8-0 X 38-6MM CU RC	NYL80 3343	8-0		6 mm 3/8 Circle Reverse Cutting	38	12	BLACK
POLYAMIDE BLK 8-0 X 13-5MM CU RB	NYL802812	8-0		5 mm 3/8 Circle Round Body	13	12	BLACK
POLYAMIDE BLK 8-0 X 45-9MM CU RB DN	NYL808170DN	8-0		9 mm 3/8 Circle Round Body Round Body	45	12	BLACK
POLYAMIDE BLK 8-0 X 15-6.5MM CU RB	NYL80 2808	8-0		6.5 mm 3/8 Circle Round Body	15	12	BLACK
POLYAMIDE BLK 9-0 X 38-06MM CU RB SN	NYL90 3709	9-0		6 mm 3/8 Circle Round Body	38	12	BLACK
POLYAMIDE BLK 9-0 X 13-05MM CU RB SN	NYL903905	9-0		5 mm 3/8 Circle Round Body	13	12	BLACK
POLYAMIDE BLK 9-0 X 13-05MM CU RB	NYL90 2829	9-0		5 mm 3/8 Circle Round Body	13	12	BLACK
POLYAMIDE BLK 9-0 X 38-6MM CU SM DN	NYL90 3714DN	9-0		6 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	38	12	BLACK
POLYAMIDE BLK 9-0 X 38-6MM CU SM	NYL90 3715	9-0		6 mm 3/8 Circle Spatula Micropoint	38	12	BLACK
POLYAMIDE BLK 9-0 X 25-6.5MM CU RB DN	NYL90 2800DN	9-0		6.5 mm 3/8 Circle Round Body Round Body	25	12	BLACK
POLYAMIDE BLK 9-0 X 30-6.5MM CU SM DN	NYL901717	9-0		6.5 mm 3/8 Circle Spatula Micropoint Spatula Micropoint	30	12	BLACK
POLYAMIDE BLK 1 X 150-48MM HC RB LOOP - 3D	NYL013348Z	1		48 mm 1/2 Circle Round Body	150	36	BLACK
POLYAMIDE BLK 3-0 X 90-19MM CU RC - 3D	NYL301622Z	3-0		19 mm 3/8 Circle Reverse Cutting	90	36	BLACK
POLYAMIDE BLK 4-0 X 90-13MM CU RC - 3D	NYL401613Z	4-0		13 mm 3/8 Circle Reverse Cutting	90	36	BLACK
POLYAMIDE BLK 5-0 X 75-16MM CU RC - 3D	NYL501616Z	5-0		16 mm 3/8 Circle Reverse Cutting	75	36	BLACK

Description	FG Code	Size	Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAMIDE (POLYAMIDE SUTURE)						
POLYAMIDE BLK 0 X 76 (76X2)	NYS10 904	0	Non needled	76	12	BLACK
POLYAMIDE BLK 1 X 76 (76X2)	NYS01 905	1	Non needled	76	12	BLACK
POLYAMIDE BLK 1 X 750 (75X10)	NYS011075	1	Non needled	75	12	BLACK
POLYAMIDE BLK 1 X 35 (35X5)	NYS01 705	1	Non needled	35	12	BLACK
POLYAMIDE BLK 1 X 100 (100X2)	NYS01185	1	Non needled	100	12	BLACK
POLYAMIDE BLK 2 X 76 (76X2)	NYS02 906	2	Non needled	76	12	BLACK
POLYAMIDE BLK 2-0 X 76 (76X2)	NYS20 903	2-0	Non needled	76	12	BLACK
POLYAMIDE BLK 2-0 X 35 (35X5)	NYS20 703	2-0	Non needled	35	12	BLACK

FILAPROPTM

Polypropylene Suture

Indications

- Skin closure (intracutaneous, subcutaneous)
- Cardiovascular procedures
- Neurological procedures
- Ophthalmic procedures

Advantages

- Smooth passage through tissue
- Minimal acute inflammatory reaction in tissues
- Unsurpassed strength
- Optimal elasticity and elongation properties
- Available in Less Memory Tray (LMT)

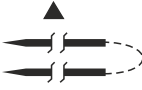


Product Overview

Structure	: Monofilament
Colour	: Blue
Chemical composition	: Polypropylene
Sizes	: USP 10/0 (metric 0.2) - USP 2 (metric 5)
Sterilization	: Ethylene oxide

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 0 X 90-30MM CU RC	PPL102815	0		30 mm 3/8 Circle Reverse Cutting	90	12	BLUE
POLYPROPYLENE BU 0 X 70-30MM HC RB	PPL10 830	0		30 mm 1/2 Circle Round Body	70	12	BLUE
POLYPROPYLENE BU 0 X 90-30MM HC RB	PPL10 846	0		30 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 0 X 90-30MM HC TC	PPL10 894	0		30 mm 1/2 Circle Taper Cut	90	12	BLUE
POLYPROPYLENE BU 0 X 75-40MM HC RB	PPL108434	0		40 mm 1/2 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 0 X 75-37MM HC RB	PPL108424	0		37 mm 1/2 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 0 X 75-30MM HC RB	PPL100830	0		30 mm 1/2 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 0 X 75-24MM CU CT	PPL108024	0		24 mm 3/8 Circle Conventional Cutting	75	12	BLUE
POLYPROPYLENE BU 0 X 75-26MM HC RB	PPL108026	0		26 mm 1/2 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 0 X 75-45MM HC RC	PPL108045	0		45 mm 1/2 Circle Reverse Cutting	75	12	BLUE
POLYPROPYLENE BU 0 X 75-45MM HC RB	PPL108075	0		45 mm 1/2 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 0 X 90-26MM HC RB DN	PPL10 824MIPH	0		26 mm 1/2 Circle Round Body Round Body	90	1	BLUE
POLYPROPYLENE BU 0 X 100-40MM HC RB	PPL108434XL	0		40 mm 1/2 Circle Round Body	100	12	BLUE
POLYPROPYLENE BU 0 X 100-31MM J TYPE TC	PPL10982J	0		31 mm J Shape Taper Cut	100	12	BLUE
POLYPROPYLENE BU 0 X 100-31MM HC RB	PPL108430	0		31 mm 1/2 Circle Round Body	100	12	BLUE
POLYPROPYLENE BU 0 X 90-40MM HC RC	PPL108470	0		40 mm 1/2 Circle Reverse Cutting	90	12	BLUE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 0 X 70-30MM HC RB HB	PPL10 842	0		30 mm 1/2 Circle Round Body	70	12	BLUE
POLYPROPYLENE BU 0 X 100-26MM HC RB DN	PPL108026XDN	0		26 mm 1/2 Circle Round Body Round Body	100	12	BLUE
POLYPROPYLENE BU 0 X 75-37MM HC TC	PPL108037	0		37 mm 1/2 Circle Taper Cut	75	12	BLUE
POLYPROPYLENE BU 0 X 75-38MM CU CT	PPL108038	0		38 mm 3/8 Circle Conventional Cutting	75	12	BLUE
POLYPROPYLENE BU 1 X 90-45MM HC TC	PPL018450	1		45 mm 1/2 Circle Taper Cut	90	12	BLUE
POLYPROPYLENE BU 1 X 90-50MM HC RC	PPL018475	1		50 mm 1/2 Circle Reverse Cutting	90	12	BLUE
POLYPROPYLENE BU 1 X 150-48MM HC RB LOOP	PPL01 834	1		48 mm 1/2 Circle Round Body	150	12	BLUE
POLYPROPYLENE BU 1 X 70-30MM HC RB	PPL01 840	1		30 mm 1/2 Circle Round Body	70	12	BLUE
POLYPROPYLENE BU 1 X 70-40MM HC RB	PPL01 843	1		40 mm 1/2 Circle Round Body	70	12	BLUE
POLYPROPYLENE BU 1 X 100-45MM HC RC	PPL01 883	1		45 mm 1/2 Circle Reverse Cutting	100	12	BLUE
POLYPROPYLENE BU 1 X 90-90MM CU CT	PPL012989	1		90 mm 3/8 Circle Conventional Cutting	90	12	BLUE
POLYPROPYLENE BU 1 X 100-40MM HC RC	PPL01884	1		40 mm 1/2 Circle Reverse Cutting	100	12	BLUE
POLYPROPYLENE BU 1 X 100-36MM HC RB	PPL01842	1		36 mm 1/2 Circle Round Body	100	12	BLUE
POLYPROPYLENE BU 1 X 90-90MM CU RC	PPL018190	1		90 mm 3/8 Circle Reverse Cutting	90	12	BLUE
POLYPROPYLENE BU 1 X 75-30MM HCRB TRODN	PPL018130	1		30 mm 1/2 Circle Round Body TRO	75	12	BLUE
POLYPROPYLENE BU 1 X 100-40MM HC RB	PPL01 843DS	1		40 mm 1/2 Circle Round Body	100	12	BLUE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 1 X 100-40MM HC RB BP	PPL018999	1		40 mm 1/2 Circle Blunt Point	100	12	BLUE
POLYPROPYLENE BU 1 X 75-40MM CU RC	PPL018140	1		40 mm 3/8 Circle Reverse Cutting	75	12	BLUE
POLYPROPYLENE BU 1 X 100-40MM HC RB EX	PPL018435	1		40 mm 1/2 Circle Round Body	100	12	BLUE
POLYPROPYLENE BU 2 X 75-45MM HC RC	PPL028245	2		45 mm 1/2 Circle Reverse Cutting	75	12	BLUE
POLYPROPYLENE BU 2 X 75-45MM HC RB	PPL028275	2		45 mm 1/2 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 10-0 X 13-06MM CU RB DN	PPL1002795	10-0		6 mm 3/8 Circle Round Body Round Body	13	12	BLUE
POLYPROPYLENE BU 10-0 X 23-16MM ST CT DN	PPL1001713DN	10-0		16 mm Straight Conventional Cutting Conventional Cutting	23	12	BLUE
POLYPROPYLENE BU 10-0 X 13-5MM CU RB DN	PPL1002794	10-0		5 mm 3/8 Circle Round Body Round Body	13	12	BLUE
POLYPROPYLENE BU 10-0 X 90-6.3MM CU SM	PPL1001777	10-0		6.3 mm 3/8 Circle Spatula Micropoint	90	12	BLUE
POLYPROPYLENE BU 10-0 X 45-06MM CU SM	PPL1001713E	10-0		6 mm 3/8 Circle Spatula Micropoint	45	12	BLUE
POLYPROPYLENE BU 2-0 X 90-40MM CU RC	PPL208689	2-0		40 mm 3/8 Circle Reverse Cutting	90	12	BLUE
POLYPROPYLENE BU 2-0 X 90-90MM CU RC	PPL200987	2-0		90 mm 3/8 Circle Reverse Cutting	90	12	BLUE
POLYPROPYLENE BU 2-0 X 90-40MM HC TC	PPL208852	2-0		40 mm 1/2 Circle Taper Cut	90	12	BLUE
POLYPROPYLENE BU 2-0 X 90-30MM HC RB	PPL20 844	2-0		30 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 2-0 X 90-26MM HC TC DN	PPL20 8977	2-0		26 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 2-0 X 90-17.5MM HCTC DN	PPL20 8937	2-0		17.5 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 2-0 X 90-26MM HC RB	PPL208523	2-0		26 mm 1/2 Circle Round Body	90	12	BLUE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 2-0 X 75-26MM HC RB	PPL208833	2-0		26 mm 1/2 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 2-0 X 75-24MM CU RC	PPL208685	2-0		24 mm 3/8 Circle Reverse Cutting	75	12	BLUE
POLYPROPYLENE BU 2-0 X 75-26MM HC CT	PPL208978	2-0		26 mm 1/2 Circle Conventional Cutting	75	12	BLUE
POLYPROPYLENE BU 2-0 X 90-60MM ST CT	PPL200623	2-0		60 mm Straight Conventional Cutting	90	12	BLUE
POLYPROPYLENE BU 2-0 X 100-24MM CU RC	PPL208685XL	2-0		24 mm 3/8 Circle Reverse Cutting	100	12	BLUE
POLYPROPYLENE BU 2-0 X 75-26MM HC RB DN	PPL208834	2-0		26 mm 1/2 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 2-0 X 90-36MM HC RB	PPL208236	2-0		36 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 2-0 X 90-70MM ST CT	PPL200753	2-0		70 mm Straight Conventional Cutting	90	12	BLUE
POLYPROPYLENE BU 2-0 X 90-31MM HC RB VB	PPL20295	2-0		31 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 2-0 X 75-45MM HC RC	PPL208245	2-0		45 mm 1/2 Circle Reverse Cutting	75	12	BLUE
POLYPROPYLENE BU 2-0 X 75-45MM HC RB	PPL208275	2-0		45 mm 1/2 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 2-0 X 70-30MM CU RB	PPL208230	2-0		30 mm 3/8 Circle Round Body	70	12	BLUE
POLYPROPYLENE BU 2-0 X 70-25MM HC TC	PPL20 807	2-0		25 mm 1/2 Circle Taper Cut	70	12	BLUE
POLYPROPYLENE BU 2-0 X 75-20MM HC RB	PPL2085200	2-0		20 mm 1/2 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 2-0 X 75-30MM CU RC	PPL207697	2-0		30 mm 3/8 Circle Reverse Cutting	75	12	BLUE
POLYPROPYLENE BU 2-0 X 75-60MM ST CT	PPL200631	2-0		60 mm Straight Conventional Cutting	75	12	BLUE
POLYPROPYLENE BU 2-0 X 75-31MM HC RB	PPL208231	2-0		31 mm 1/2 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 2-0 X 75-30MM HC RB	PPL20844SL	2-0		30 mm 1/2 Circle Round Body	75	12	BLUE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 2-0 X 90-31MM HC RB DN	PPL208526	2-0		31 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 2-0 X 90-31MM HC TC DN	PPL208850	2-0		31 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 2-0 X 45-26MM CU RC	PPL208026	2-0		26 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYPROPYLENE BU 2-0 X 90-40MM HC TC DN	PPL208852DN	2-0		40 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 2-0 X 100-75MM ST CT	PPL200752	2-0		75 mm Straight Conventional Cutting	100	12	BLUE
POLYPROPYLENE BU 2-0 X 90-55MM ST CT	PPL208571	2-0		55 mm Straight Conventional Cutting	90	12	BLUE
POLYPROPYLENE BU 2-0 X 90-40MM HC RB DN	PPL20 2040DN	2-0		40 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 2-0 X 70-30MM HC RB	PPL20 841	2-0		30 mm 1/2 Circle Round Body	70	12	BLUE
POLYPROPYLENE BU 2-0 X 90-90MM CU CT	PPL200988	2-0		90 mm 3/8 Circle Conventional Cutting	90	12	BLUE
POLYPROPYLENE BU 2-0 X 90-30MM HC RB-3D	PPL20844Z	2-0		30 mm 1/2 Circle Round Body	90	36	BLUE
POLYPROPYLENE BU 2-0 X 90-26MM HCTCDN-3D	PPL208977Z	2-0		26 mm 1/2 Circle Taper Cut Taper Cut	90	36	BLUE
POLYPROPYLENE BU 2-0 X90-31MM HCRBVB-3D	PPL20295Z	2-0		31 mm 1/2 Circle Round Body	90	36	BLUE
POLYPROPYLENE BU 2-0 X 90-26MM HC TC	PPL208926	2-0		26 mm 1/2 Circle Taper Cut	90	12	BLUE
POLYPROPYLENE BU 2-0 X 90-30MM HC RC	PPL208931	2-0		30 mm 1/2 Circle Reverse Cutting	90	12	BLUE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 2-0 X 75-70MM ST RB DN	PPL208400	2-0		70 mm Straight Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 2-0 X 90-30MM HC RB DN	PPL20844DN	2-0		30 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 2-0 X 90-17MM HC TC	PPL208938	2-0		17 mm 1/2 Circle Taper Cut	90	12	BLUE
POLYPROPYLENE BU 2-0 X 100-40MM CU CT	PPL208690	2-0		40 mm 3/8 Circle Conventional Cutting	100	12	BLUE
POLYPROPYLENE BU 3-0 X 70-22MM CU CT	PPL30 018	3-0		22 mm 3/8 Circle Conventional Cutting	70	12	BLUE
POLYPROPYLENE BU 3-0 X 90-25MM CU CT	PPL30 800	3-0		25 mm 3/8 Circle Conventional Cutting	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-25MM HC RB	PPL30 825	3-0		25 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 3-0 X 70-25MM HC RB	PPL30 838	3-0		25 mm 1/2 Circle Round Body	70	12	BLUE
POLYPROPYLENE BU 3-0 X 70-20MM HC RB	PPL30 887	3-0		20 mm 1/2 Circle Round Body	70	12	BLUE
POLYPROPYLENE BU 3-0 X 70-60MM ST CT	PPL30 888	3-0		60 mm Straight Conventional Cutting	70	12	BLUE
POLYPROPYLENE BU 3-0 X 90-26MM HC RB DN	PPL30 8522	3-0		26 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-17.5MM HCTC DN	PPL30 8936	3-0		17.5 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-17MM HC RB	PPL308558	3-0		17 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-16MM HC TC DN	PPL308667	3-0		16 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 3-0 X 75-22MM HC RB	PPL308770	3-0		22 mm 1/2 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 3-0 X 90-26MM HC TC DN	PPL308976	3-0		26 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 3-0 X 45-19MM CU RC	PPL308665	3-0		19 mm 3/8 Circle Reverse Cutting	45	12	BLUE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 3-0 X 45-24MM CU RC	PPL308684	3-0		24 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYPROPYLENE BU 3-0 X 75-26MM HC RB	PPL308832	3-0		26 mm 1/2 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 3-0 X 75-19MM CU RC	PPL308687	3-0		19 mm 3/8 Circle Reverse Cutting	75	12	BLUE
POLYPROPYLENE BU 3-0 X 90-16MM HC RB	PPL308559	3-0		16 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-25MM HC TC	PPL308977	3-0		25 mm 1/2 Circle Taper Cut	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-30MM HC RB	PPL308525	3-0		30 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-16MM CU RC	PPL308549	3-0		16 mm 3/8 Circle Reverse Cutting	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-26MM CU RC	PPL308685	3-0		26 mm 3/8 Circle Reverse Cutting	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-17MM HC TC	PPL308317	3-0		17 mm 1/2 Circle Taper Cut	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-36MM HC RB	PPL308336	3-0		36 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 3-0 X 75-22MM HC RB DN	PPL308771	3-0		22 mm 1/2 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 3-0 X 75-60MM ST CT	PPL3013413	3-0		60 mm Straight Conventional Cutting	75	12	BLUE
POLYPROPYLENE BU 3-0 X 75-16MM CU CT	PPL3013453	3-0		16 mm 3/8 Circle Conventional Cutting	75	12	BLUE
POLYPROPYLENE BU 3-0 X 120-26MM HC RB	PPL308534	3-0		26 mm 1/2 Circle Round Body	120	12	BLUE
POLYPROPYLENE BU 3-0 X 75-24MM CU RC	PPL307694	3-0		24 mm 3/8 Circle Reverse Cutting	75	12	BLUE
POLYPROPYLENE BU 3-0 X 90-36MM HC RB DN	PPL307499	3-0		36 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 3-0 X 120-26MM HC TC DN	PPL307778	3-0		26 mm 1/2 Circle Taper Cut Taper Cut	120	12	BLUE
POLYPROPYLENE BU 3-0 X 45-26MM CU RC	PPL308025	3-0		26 mm 3/8 Circle Reverse Cutting	45	12	BLUE

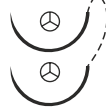
Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 3-0 X 90-31MM HC RB DN	PPL308525DN	3-0		31 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 3-0 X 45-22MM HC CT	PPL308731	3-0		22 mm 1/2 Circle Conventional Cutting	45	12	BLUE
POLYPROPYLENE BU 3-0 X 45-19MM CU CT	PPL308878	3-0		19 mm 3/8 Circle Conventional Cutting	45	12	BLUE
POLYPROPYLENE BU 3-0 X 90-26MM HC RB DNV	PPL308355	3-0		26 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-31MM HC TC DN	PPL308849DN	3-0		31 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-40MM HC TC DN	PPL308851	3-0		40 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 3-0 X90-26MM HCRB TRODN	PPL308833	3-0		26 mm 1/2 Circle Round Body TRO	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-20MM HC RBTC DN	PPL309557	3-0		20 mm 1/2 Circle Round Body Taper Cut	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-17MM HC RB DN	PPL308558DN	3-0		17 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 3-0 X 90-16MM CU RC-3D	PPL308549Z	3-0		16 mm 3/8 Circle Reverse Cutting	90	36	BLUE
POLYPROPYLENE BU 3-0 X 90-60MM ST CT	PPL300621	3-0		60 mm Straight Conventional Cutting	90	12	BLUE
POLYPROPYLENE BU 3-0 X 45-26MM CU CT EX	PPL308021	3-0		26 mm 3/8 Circle Conventional Cutting	45	12	BLUE
POLYPROPYLENE BU 3-0 X 75-36MM CU CT	PPL300626	3-0		36 mm 3/8 Circle Conventional Cutting	75	12	BLUE
POLYPROPYLENE BU 4-0 X 90-19MM CU RC	PPL408015	4-0		19 mm 3/8 Circle Reverse Cutting	90	12	BLUE
POLYPROPYLENE BU 4-0 X 90-16MM CU CT	PPL408875	4-0		16 mm 3/8 Circle Conventional Cutting	90	12	BLUE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 4-0 X 90-25MM CU CT	PPL408879	4-0		25 mm 3/8 Circle Conventional Cutting	90	12	BLUE
POLYPROPYLENE BU 4-0 X 70-16MM HC RB	PPL40 849	4-0		16 mm 1/2 Circle Round Body	70	12	BLUE
POLYPROPYLENE BU 4-0 X 70-16MM CU CT	PPL40 870	4-0		16 mm 3/8 Circle Conventional Cutting	70	12	BLUE
POLYPROPYLENE BU 4-0 X90-25MM HC TC DNC1	PPL40 867	4-0		25 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 4-0 X 90-17.5MM HCTC DN	PPL40 8935	4-0		17.5 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 4-0 X 90-26MM HC RB DN	PPL40 8521	4-0		26 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 4-0 X 90-16MM HC RB DN	PPL40 8557	4-0		16 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 4-0 X 90-26MM HC RB	PPL408355	4-0		26 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 4-0 X 90-17MM HC RB	PPL408558	4-0		17 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 4-0 X 75-13MM HC CT DN	PPL408666	4-0		13 mm 1/2 Circle Conventional Cutting Conventional Cutting	75	12	BLUE
POLYPROPYLENE BU 4-0 X 90-20MM HC RB	PPL408761	4-0		20 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 4-0 X 90-20MM HC CT DN	PPL408840	4-0		20 mm 1/2 Circle Conventional Cutting Conventional Cutting	90	12	BLUE
POLYPROPYLENE BU 4-0 X 90-26MM HC CT DN	PPL408846	4-0		26 mm 1/2 Circle Conventional Cutting Conventional Cutting	90	12	BLUE
POLYPROPYLENE BU 4-0 X 45-19MM CU RC	PPL408682	4-0		19 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYPROPYLENE BU 4-0 X 45-20MM CU RC	PPL408683	4-0		20 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYPROPYLENE BU 4-0 X 90-13MM HC RB DN	PPL408204	4-0		13 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 4-0 X 90-18MM CU RB DN	PPL408861	4-0		18 mm 3/8 Circle Round Body Round Body	90	12	BLUE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 4-0 X 90-24MM CU RC	PPL408684	4-0		24 mm 3/8 Circle Reverse Cutting	90	12	BLUE
POLYPROPYLENE BU 4-0 X 70-19MM CU RC	PPL408682XL	4-0		19 mm 3/8 Circle Reverse Cutting	70	12	BLUE
POLYPROPYLENE BU 4-0 X90-25MM HC TC	PPL408425	4-0		25 mm 1/2 Circle Taper Cut	90	12	BLUE
POLYPROPYLENE BU 4-0 X 90-16MM CU RC	PPL408416	4-0		16 mm 3/8 Circle Reverse Cutting	90	12	BLUE
POLYPROPYLENE BU 4-0 X 75-22MM HC RB DN	PPL40 8526DN	4-0		22 mm 1/2 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 4-0 X 70-17MM HC TC	PPL40 835	4-0		17 mm 1/2 Circle Taper Cut	70	12	BLUE
POLYPROPYLENE BU 4-0 X 45-16MM CU RC	PPL408884	4-0		16 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYPROPYLENE BU 4-0 X 45-16MM CU CT	PPL408007	4-0		16 mm 3/8 Circle Conventional Cutting	45	12	BLUE
POLYPROPYLENE BU 4-0 X 45-26MM CU CT	PPL408020SL	4-0		26 mm 3/8 Circle Conventional Cutting	45	12	BLUE
POLYPROPYLENE BU 4-0 X90-26MM HC TC DNC2	PPL40 8845	4-0		26 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 4-0 X 45-19MM CU CT	PPL408011	4-0		19 mm 3/8 Circle Conventional Cutting	45	12	BLUE
POLYPROPYLENE BU 4-0 X 90-17MM HC TC	PPL40 857	4-0		17 mm 1/2 Circle Taper Cut	90	12	BLUE
POLYPROPYLENE BU 4-0 X 45-12MM CU RC	PPL40 879	4-0		12 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYPROPYLENE BU 4-0 X 90-16MM HC TC DN	PPL408417	4-0		16 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 4-0 X 90-17MM HC TC EX	PPL400835	4-0		17 mm 1/2 Circle Taper Cut	90	12	BLUE
POLYPROPYLENE BU 4-0 X 70-17MM HC TC C1	PPL40 899	4-0		17 mm 1/2 Circle Taper Cut	70	12	BLUE
POLYPROPYLENE BU 4-0 X 90-26MM HC RB EX	PPL408831	4-0		26 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 4-0 X 90-20MM HC TC DN	PPL408841DN	4-0		20 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 4-0 X 70-16MM CU CT-3D	PPL40870Z	4-0		16 mm 3/8 Circle Conventional Cutting	70	36	BLUE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 4-0 X 90-16MM HCRBDN-3D	PPL408557Z	4-0		16 mm 1/2 Circle Round Body Round Body	90	36	BLUE
POLYPROPYLENE BU 4-0 X 45-20MM CU RC-3D	PPL408683Z	4-0		20 mm 3/8 Circle Reverse Cutting	45	36	BLUE
POLYPROPYLENE BU 4-0 X90-26MM HCRB EX-3D	PPL408831Z	4-0		26 mm 1/2 Circle Round Body	90	36	BLUE
POLYPROPYLENE BU 4-0 X 90-20MM HC RB DN	PPL408761DN	4-0		20 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 4-0 X 90-22MM HC RB	PPL408762	4-0		22 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 4-0 X 60-13MM HC RB DN	PPL40 8204SL	4-0		13 mm 1/2 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 4-0 X 90-17MM HC RB DN	PPL408558DN	4-0		17 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 4-0 X 75-13MM HC TC DN	PPL408665	4-0		13 mm 1/2 Circle Taper Cut Taper Cut	75	12	BLUE
POLYPROPYLENE BU 4-0 X 90-17MM HC RBDNVB	PPL408329	4-0		17 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 4-0 X 45-13MM CU RC	PPL405742	4-0		13 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYPROPYLENE BU 5-0 X 90-19MM CU CT	PPL508010	5-0		19 mm 3/8 Circle Conventional Cutting	90	12	BLUE
POLYPROPYLENE BU 5-0 X 90-16MM CU RC	PPL508882	5-0		16 mm 3/8 Circle Reverse Cutting	90	12	BLUE
POLYPROPYLENE BU 5-0 X 90-19MM CU RC	PPL508014	5-0		19 mm 3/8 Circle Reverse Cutting	90	12	BLUE
POLYPROPYLENE BU 5-0 X 70-16MM CU RB	PPL50 881	5-0		16 mm 3/8 Circle Round Body	70	12	BLUE
POLYPROPYLENE BU 5-0 X 70-16MM CU RB DN	PPL50 882DN	5-0		16 mm 3/8 Circle Round Body Round Body	70	12	BLUE
POLYPROPYLENE BU 5-0 X 90-12MM CU RC	PPL50 889	5-0		12 mm 3/8 Circle Reverse Cutting	90	12	BLUE
POLYPROPYLENE BU 5-0 X 90-16MM HCRB DNC2	PPL50 856	5-0		16 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 5-0 X 75-13MM CU RB DN	PPL50 8721	5-0		13 mm 3/8 Circle Round Body Round Body	75	12	BLUE

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FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 5-0 X 60-10MM HC RB DN	PPL50 8803	5-0		10 mm 1/2 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 5-0 X 60-13MM HC RB DN	PPL50 8205	5-0		13 mm 1/2 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 5-0 X 75-13MM HC RB DN	PPL50 8710	5-0		13 mm 1/2 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 5-0 X 75-11MM HC RB DVB	PPL50 8802BX	5-0		11 mm 1/2 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 5-0 X 60-09MM CU TC DN	PPL508663	5-0		9 mm 3/8 Circle Taper Cut Taper Cut	60	12	BLUE
POLYPROPYLENE BU 5-0 X 60-13MM HC TC DN	PPL508664	5-0		13 mm 1/2 Circle Taper Cut Taper Cut	60	12	BLUE
POLYPROPYLENE BU 5-0 X 75-13MM CU TC DN	PPL508720	5-0		13 mm 3/8 Circle Taper Cut Taper Cut	75	12	BLUE
POLYPROPYLENE BU 5-0 X 60-11MM HC TC DN	PPL508804	5-0		11 mm 1/2 Circle Taper Cut Taper Cut	60	12	BLUE
POLYPROPYLENE BU 5-0 X 75-13MM HC TC DN	PPL508816	5-0		13 mm 1/2 Circle Taper Cut Taper Cut	75	12	BLUE
POLYPROPYLENE BU 5-0 X 75-13MM CU RB	PPL508890	5-0		13 mm 3/8 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 5-0 X 90-17MM HC RB	PPL508557	5-0		17 mm 1/2 Circle Round Body	90	12	BLUE
POLYPROPYLENE BU 5-0 X 45-13MM CU RC	PPL508698	5-0		13 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYPROPYLENE BU 5-0 X 90-17MM HC RB DN	PPL508756	5-0		17 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 5-0 X 90-13MM CU TC	PPL508722	5-0		13 mm 3/8 Circle Taper Cut	90	12	BLUE
POLYPROPYLENE BU 5-0 X 90-16MM CU CT	PPL508006	5-0		16 mm 3/8 Circle Conventional Cutting	90	12	BLUE
POLYPROPYLENE BU 5-0 X 75-26MM HC RB DN	PPL508526	5-0		26 mm 1/2 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 5-0 X 75-17MM HC TC DN	PPL508517	5-0		17 mm 1/2 Circle Taper Cut Taper Cut	75	12	BLUE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 5-0 X 70-15MM CU CT	PPL50 826	5-0		15 mm 3/8 Circle Conventional Cutting	70	12	BLUE
POLYPROPYLENE BU 5-0 X 90-12MM CU TC DN	PPL505969	5-0		12 mm 3/8 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 5-0 X 45-19MM CU RC	PPL508686	5-0		19 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYPROPYLENE BU 5-0 X 45-13MM CU RB DN	PPL508717	5-0		13 mm 3/8 Circle Round Body Round Body	45	12	BLUE
POLYPROPYLENE BU 5-0 X 90-16MM HC TC DN	PPL508830	5-0		16 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 5-0 X 45-16MM CU CT	PPL508006SL	5-0		16 mm 3/8 Circle Conventional Cutting	45	12	BLUE
POLYPROPYLENE BU 5-0 X 45-16MM CU RC	PPL508882SL	5-0		16 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYPROPYLENE BU 5-0 X 90-16MM HCRB DNC1	PPL50 8556	5-0		16 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 5-0 X 70-12MM CU RB DN	PPL50 827DN	5-0		12 mm 3/8 Circle Round Body Round Body	70	12	BLUE
POLYPROPYLENE BU 5-0 X 70-13MM CU RC	PPL50 862	5-0		13 mm 3/8 Circle Reverse Cutting	70	12	BLUE
POLYPROPYLENE BU 5-0 X75-13MM CU RB DNVB	PPL508321	5-0		13 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 5-0 X90-16MM HC RB TC DN	PPL508757	5-0		16 mm 1/2 Circle Round Body Taper Cut	90	12	BLUE
POLYPROPYLENE BU 5-0 X 75-11MM HC RB DN	PPL50 8802	5-0		11 mm 1/2 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 5-0 X 75-13MM HC RB DNV	PPL50 8710BL	5-0		13 mm 1/2 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 5-0 X 70-16MM CU RB-3D	PPL50881Z	5-0		16 mm 3/8 Circle Round Body	70	36	BLUE
POLYPROPYLENE BU 5-0X90-16MM HCRBDNC1-3D	PPL508556Z	5-0		16 mm 1/2 Circle Round Body Round Body	90	36	BLUE
POLYPROPYLENE BU 5-0 X 75-13MM HC RB	PPL508711	5-0		13 mm 1/2 Circle Round Body	75	12	BLUE

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FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 5-0 X 90-13MM CUTC DNVB	PPL508720BL	5-0		13 mm 3/8 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 6-0 X 70-15MM CU CT	PPL60 823	6-0		15 mm 3/8 Circle Conventional Cutting	70	12	BLUE
POLYPROPYLENE BU 6-0 X 45-12MM CU RC	PPL60 878	6-0		12 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYPROPYLENE BU 6-0 X 70-10MM CU RB DN	PPL60 895DN	6-0		10 mm 3/8 Circle Round Body Round Body	70	12	BLUE
POLYPROPYLENE BU 6-0 X 60-13MM CU RB DN	PPL60 818	6-0		13 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 6-0 X 70-13MM CU RB DN	PPL60 829	6-0		13 mm 3/8 Circle Round Body Round Body	70	12	BLUE
POLYPROPYLENE BU 6-0 X 60-9MM CU RB DNC1	PPL60 872	6-0		9 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 6-0 X 70-8MM CU RB DN	PPL60 893	6-0		8 mm 3/8 Circle Round Body Round Body	70	12	BLUE
POLYPROPYLENE BU 6-0 X 60-13MM CURB DNTN	PPL60 8726	6-0		13 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 6-0 X 60-9MM CU RB DNC2	PPL60 8805	6-0		9 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 6-0 X 60-13MM CURB DNVB	PPL60 8307BL	6-0		13 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 6-0 X 60-11MM CU RB DN	PPL60 8597	6-0		11 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 6-0 X 60-13MM CURB DNTH	PPL60 8718	6-0		13 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 6-0 X 60-13MM CU RB DVB	PPL60 8726BL	6-0		13 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 6-0 X 75-13MM CU RB DVB	PPL60 8726BX	6-0		13 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 6-0 X 75-13MM CU RB DN	PPL60 8726XL	6-0		13 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 6-0 X 60-10MM CU RB DN	PPL60 8804	6-0		10 mm 3/8 Circle Round Body Round Body	60	12	BLUE

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FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 6-0 X 75-10MM CU RB DVB	PPL60 8804BX	6-0		10 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 6-0 X 60-11MM CU TC DN	PPL60 8802	6-0		11 mm 3/8 Circle Taper Cut Taper Cut	60	12	BLUE
POLYPROPYLENE BU 6-0 X 75-13MM CU RB DNV	PPL608706	6-0		13 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 6-0 X 60-13MM CU TC DN	PPL608707	6-0		13 mm 3/8 Circle Taper Cut Taper Cut	60	12	BLUE
POLYPROPYLENE BU 6-0 X 60-09MM CU TC DN	PPL608807	6-0		9 mm 3/8 Circle Taper Cut Taper Cut	60	12	BLUE
POLYPROPYLENE BU 6-0 X 75-13MM CU TC DN	PPL608814	6-0		13 mm 3/8 Circle Taper Cut Taper Cut	75	12	BLUE
POLYPROPYLENE BU 6-0 X 60-13MM HC TC DN	PPL608815	6-0		13 mm 1/2 Circle Taper Cut Taper Cut	60	12	BLUE
POLYPROPYLENE BU 6-0 X 75-13MM HC RB DN	PPL608714	6-0		13 mm 1/2 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 6-0 X 90-09MM CU TC	PPL608806	6-0		9 mm 3/8 Circle Taper Cut	90	12	BLUE
POLYPROPYLENE BU 6-0 X 75-10MM HC RB DN	PPL608610	6-0		10 mm 1/2 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 6-0 X 75-16MM CU RC	PPL608616	6-0		16 mm 3/8 Circle Reverse Cutting	75	12	BLUE
POLYPROPYLENE BU 6-0 X 60-13MM HC RB DVB	PPL608860	6-0		13 mm 1/2 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 6-0 X 75-13MM CU RB	PPL608889	6-0		13 mm 3/8 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 6-0 X 75-13MM CU TC	PPL607975	6-0		13 mm 3/8 Circle Taper Cut	75	12	BLUE
POLYPROPYLENE BU 6-0 X 75-9.3MM CU RB DN	PPL607406	6-0		9.3 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 6-0 X 45-16MM CU TC	PPL608005	6-0		16 mm 3/8 Circle Taper Cut	45	12	BLUE
POLYPROPYLENE BU 6-0 X 45-11MM CU RC	PPL608868	6-0		11 mm 3/8 Circle Reverse Cutting	45	12	BLUE
POLYPROPYLENE BU 6-0 X 60-9.3MM CU RB DN	PPL608712	6-0		9.3 mm 3/8 Circle Round Body Round Body	60	12	BLUE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 7-0 X 75-8MM CU RB DNVB	PPL708078BXL	7-0		8 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 7-0 X 60-11MM CU TC DN	PPL70 8700	7-0		11 mm 3/8 Circle Taper Cut Taper Cut	60	12	BLUE
POLYPROPYLENE BU 7-0 X 60-9MM CU RB DNVB	PPL708021	7-0		9 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 7-0 X 75-9MM CU TC DN	PPL708704XL	7-0		9 mm 3/8 Circle Taper Cut Taper Cut	75	12	BLUE
POLYPROPYLENE BU 7-0 X 75-9MM CU RB	PPL707402	7-0		9 mm 3/8 Circle Round Body	75	12	BLUE
POLYPROPYLENE BU 7-0 X 75-9MM CU RB DN	PPL708701XL	7-0		9 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 7-0 X 75-9MM CU RB DN VB	PPL707222	7-0		9 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 7-0 X 45-9MM CU RB DNVB	PPL707225	7-0		9 mm 3/8 Circle Round Body Round Body	45	12	BLUE
POLYPROPYLENE BU 7-0 X 90-11MM CU TC DN	PPL708801	7-0		11 mm 3/8 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 7-0 X 60-10MM CU RB DN C1	PPL70 2070	7-0		10 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 7-0 X 60-6MM CU RB DN C1	PPL70 2076	7-0		6 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 7-0 X 75-8MM CURBDNVBC1	PPL70 2078BX	7-0		8 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 7-0 X 60-9MM CU RB DN	PPL70 2079	7-0		9 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 7-0 X 75-9MM CU RBDN C1	PPL70 2079XL	7-0		9 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 7-0 X 60-9MM CU TC DNVB	PPL70 8121BL	7-0		9 mm 3/8 Circle Taper Cut Taper Cut	60	12	BLUE
POLYPROPYLENE BU 7-0 X 60-6.5MM CU RB DN	PPL708207	7-0		6.5 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 7-0 X 60-09MM CU TC DN	PPL708705	7-0		9 mm 3/8 Circle Taper Cut Taper Cut	60	12	BLUE

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FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 7-0 X 75-9.3MM CU TC DN	PPL707237	7-0		9.3 mm 3/8 Circle Taper Cut Taper Cut	75	12	BLUE
POLYPROPYLENE BU 7-0 X 60-9.5MM CU RB DN	PPL70 8704RB	7-0		9.5 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 7-0 X 75-9MM CU TC DNVB	PPL707237BL	7-0		9 mm 3/8 Circle Taper Cut Taper Cut	75	12	BLUE
POLYPROPYLENE BU 7-0 X 75-6MM CU RB DN	PPL702076XL	7-0		6 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 2 X 8-0X60-8MM CU RB DN	PPL80 876ML	8-0		8 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 8-0 X 60-6MM CU RB DNTN	PPL80 812	8-0		6 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 8-0 X 60-9MM CU RB DN	PPL80 813	8-0		9 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 8-0 X 60-8MM CU RB DNTN	PPL80 876	8-0		8 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 8-0 X 60-6.5MM CU RB DN	PPL80 8732	8-0		6.5 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 8-0 X 60-8MM CU RB DNTH	PPL80 8741	8-0		8 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 8-0 X 60-8MM CU TC VBDN	PPL80 8101BL	8-0		8 mm 3/8 Circle Taper Cut Taper Cut	60	12	BLUE
POLYPROPYLENE BU 8-0 X 60-8MM CU RB DN	PPL80 8088	8-0		8 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 8-0 X 60-6MM CU RB DNTH	PPL80 8086XF	8-0		6 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 8-0 X 13-06MM CU RB	PPL802775	8-0		6 mm 3/8 Circle Round Body	13	12	BLUE
POLYPROPYLENE BU 8-0 X 75-8MM CU RB DNTH	PPL808741XL	8-0		8 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 8-0 X 45-6MM CU RB DN	PPL802777	8-0		6 mm 3/8 Circle Round Body Round Body	45	12	BLUE
POLYPROPYLENE BU 8-0 X 60-9MM CU TC DNV	PPL808703	8-0		9 mm 3/8 Circle Taper Cut Taper Cut	60	12	BLUE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
FILAPROP (POLYPROPYLENE SUTURE)							
POLYPROPYLENE BU 8-0 X 75-6.5MM CU RB DN	PPL808732XL	8-0		6.5 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 8-0 X 60-6.5MM CURBDNEX	PPL805662	8-0		6.5 mm 3/8 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 8-0 X 75-6.5MM CURB DNV	PPL808732BXL	8-0		6.5 mm 3/8 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 9-0 X 13-5.1MM CU RB DN	PPL902783	9-0		5 mm 3/8 Circle Round Body Round Body	13	12	BLUE
POLYPROPYLENE BU 9-0 X 90-5MM CU RB DN	PPL902780	9-0		5 mm 3/8 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 0 X 100-40MM HC RC	PPL108470XL	0		40 mm 1/2 Circle Reverse Cutting	100	12	BLUE
POLYPROPYLENE BU 1 X 100-48MM HC RC	PPL018576	1		48 mm 1/2 Circle Reverse Cutting	100	12	BLUE
POLYPROPYLENE BU 4-0 X90-17MM HC RB DNTP	PPG40 846	4-0		17 mm 1/2 Circle Round Body Round Body	90	12	BLUE
POLYPROPYLENE BU 4-0X90-17.5MM HCTC DTP3	PPG40 8935	4-0		17.5 mm 1/2 Circle Taper Cut Taper Cut	90	12	BLUE
POLYPROPYLENE BU 5-0 X 75-13MM HCRB DNTP	PPG50 810	5-0		13 mm 1/2 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 5-0 X60-10MM HCRB DNTP3	PPG50 8803	5-0		10 mm 1/2 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 5-0 X 75-13MM HC RB DN TP3	PPG50 8710	5-0		13 mm 1/2 Circle Round Body Round Body	75	12	BLUE
POLYPROPYLENE BU 6-0 X60-10MM HCRB DNTP3	PPG60 8207	6-0		10 mm 1/2 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 6-0X60-10MM HCRB DNTP3	PPG60 8260SR	6-0		10 mm 1/2 Circle Round Body Round Body	60	12	BLUE
POLYPROPYLENE BU 7-0X60-09MM HCRB DNTP3	PPG70 8270SR	7-0		9 mm 1/2 Circle Round Body Round Body	60	12	BLUE

MERICRON XL™

Polyester Suture

Indications

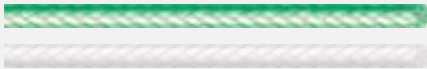
- Cardiovascular procedures
- Ophthalmic procedures
- Neurological procedures

Advantages

- Smoother suture surface
- Less resistance to knot sliding
- Better strength
- Pliable structure



Product Overview

Structure	: Braided
Colour	: Green, White
	
Chemical composition	: Polyethylene terephthalate
Coating	: Polybutylate
Sizes	: USP 6/0 (metric 0.7) - USP 5 (metric 7)
Sterilization	: Gamma Radiation

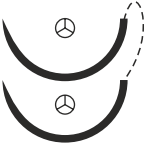
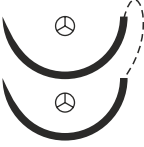
Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERICRON XL (POLYESTER SUTURE)							
POLYESTER GR 0 X 90-50MM HC TC	Me100979	0		50 mm 1/2 Circle Taper Cut	90	12	GREEN
POLYESTER GR 0 X 90-26MM HC TC DN	ME6978	0		26 mm 1/2 Circle Taper Cut Taper Cut	90	12	GREEN
POLYESTER GR 0 X 75-22MM HC RC	ME517G	0		22 mm 1/2 Circle Reverse Cutting	75	12	GREEN
POLYESTER GR 0 X 90-36MM HC RB	ME844G	0		36 mm 1/2 Circle Round Body	90	12	GREEN
POLYESTER GR 0 X 75-30MM HC RB	ME106030	0		30 mm 1/2 Circle Round Body	75	12	GREEN
POLYESTER GR 0 X 75-26MM HC RB	ME10361	0		26 mm 1/2 Circle Round Body	75	12	GREEN
POLYESTER GR 0 X 75-31MM HC RB	ME100975	0		31 mm 1/2 Circle Round Body	75	12	GREEN
POLYESTER GR 0 X 90-36MM HC RC	ME1032049	0		36 mm 1/2 Circle Reverse Cutting	90	12	GREEN
POLYESTER GR 0 X 90-30MM CU RC	ME106680	0		30 mm 3/8 Circle Reverse Cutting	90	12	GREEN
POLYESTER GR 0 X 75-36MM CU RC	ME107562	0		36 mm 3/8 Circle Reverse Cutting	75	12	GREEN
POLYESTER GREEN 1 X 90-30MM HC RC	ME0132047	1		30 mm 1/2 Circle Reverse Cutting	90	12	GREEN
POLYESTER GREEN 1 X 75-22MM HC RC	ME010518	1		22 mm 1/2 Circle Reverse Cutting	75	12	GREEN
POLYESTER GREEN X 90-37MM HC RB	ME016137	1		37 mm 1/2 Circle Round Body	90	12	GREEN
POLYESTER GREEN 1 X 90-30MM HC RB	ME016130	1		30 mm 1/2 Circle Round Body	90	12	GREEN
POLYESTER GREEN 1 X 75-31MM J TYPE RB H	ME010969J	1		31 mm J Shape Round Body	75	12	GREEN
POLYESTER GREEN 1 X 90-30MM HC RB-3D	ME016130Z	1		30 mm 1/2 Circle Round Body	90	36	GREEN

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERICRON XL (POLYESTER SUTURE)							
POLYESTER GREEN 1 X 90-36MM HC TC	ME014407	1		36 mm 1/2 Circle Taper Cut	90	12	GREEN
POLYESTER GR 2 X 100-45MM HC TC	ME643	2		45 mm 1/2 Circle Taper Cut	100	12	GREEN
POLYESTER GR 2 X 75-45MM HC TC (4 in 1)	ME4843	2		45 mm 1/2 Circle Taper Cut	75	6	GREEN
POLYESTER GR 2 X 75-45MM HC TC	ME4842	2		45 mm 1/2 Circle Taper Cut	75	12	GREEN
POLYESTER GR 2 X 90-37MM HC RB	ME026237	2		37 mm 1/2 Circle Round Body	90	12	GREEN
POLYESTER GR 5 X 75-55MM HC TC	ME646	5		55 mm 1/2 Circle Taper Cut	75	12	GREEN
POLYESTER GR 5 X 75-55MM HC TC (4 in 1)	ME4846	5		55 mm 1/2 Circle Taper Cut	75	6	GREEN
POLYESTER GR 2-0 X 90-17MM HC TC DN C2	ME617	2-0		17 mm 1/2 Circle Taper Cut Taper Cut	90	12	GREEN
POLYESTER WH 2-0 X 76-17MM HC TC	ME673W	2-0		17 mm 1/2 Circle Taper Cut	76	12	WHITE
POLYESTER WH 2-0 X 90-25MM HC TC DN	ME687W	2-0		25 mm 1/2 Circle Taper Cut Taper Cut	90	12	WHITE
POLYESTER GR 2-0 X 90-17MM HC TC DN C1	ME6937	2-0		17 mm 1/2 Circle Taper Cut Taper Cut	90	12	GREEN
POLYESTER GR 2-0 X 90-26MM HC TC DN	ME6977	2-0		26 mm 1/2 Circle Taper Cut Taper Cut	90	12	GREEN
POLYESTER WH 2-0 X 90-26MM HC TC DN	ME6987	2-0		26 mm 1/2 Circle Taper Cut Taper Cut	90	12	WHITE
POLYESTER WH 2-0 X 90-17MM HC TC DN	ME617W	2-0		17 mm 1/2 Circle Taper Cut Taper Cut	90	12	WHITE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERICRON XL (POLYESTER SUTURE)							
POLYESTER GREEN 2-0 X 90-17MM HC RB DN	ME206760	2-0		17 mm 1/2 Circle Round Body Round Body	90	12	GREEN
POLYESTER GREEN 2-0 X 90-26MM HC RB DN	ME206767	2-0		26 mm 1/2 Circle Round Body Round Body	90	12	GREEN
POLYESTER GREEN 2-0 X 90-26MM CU TC DN	ME206997	2-0		26 mm 3/8 Circle Taper Cut Taper Cut	90	12	GREEN
POLYESTER GREEN 2-0 X 75-31MM HC RB	ME200932	2-0		31 mm 1/2 Circle Round Body	75	12	GREEN
POLYESTER GREEN 2-0 X 75-22MM HC RB	ME206833	2-0		22 mm 1/2 Circle Round Body	75	12	GREEN
POLYESTER GREEN 2-0 X 75-26MM HC RB	ME200411	2-0		26 mm 1/2 Circle Round Body	75	12	GREEN
POLYESTER XL WH 2-0 X 75-26MM HC RB	ME200412	2-0		26 mm 1/2 Circle Round Body	75	12	WHITE
POLYESTER WHGR 2-0 X 75-26MM HC TC DN5	ME201075	2-0		26 mm 1/2 Circle Taper Cut Taper Cut	75	6	GREEN/ WHITE
POLYESTER WHGR 2-0 X 75-17MM HC TC DN5	ME201017	2-0		17 mm 1/2 Circle Taper Cut Taper Cut	75	6	GREEN/ WHITE
POLYESTER WHITE 2-0 X 90-16MM HC RB DN	ME208051	2-0		16 mm 1/2 Circle Round Body Round Body	90	12	WHITE
POLYESTER WHGR 2-0 X 75-26MM HC TC DN8	ME201356	2-0		26 mm 1/2 Circle Taper Cut Taper Cut	75	6	GREEN/ WHITE
POLYESTER GR 2-0 X 75-36MM HC RB	ME206236	2-0		36 mm 1/2 Circle Round Body	75	12	GREEN
POLYESTER GR 2-0 X 90-25MM CU TC	ME200095	2-0		25 mm 3/8 Circle Taper Cut	90	12	GREEN
POLYESTER WH 2-0 X 75-17MM HC RB	ME2043122	2-0		17 mm 1/2 Circle Round Body	75	12	WHITE
POLYESTER GR 2-0 X 90-24MM CU CT	ME206224	2-0		24 mm 3/8 Circle Conventional Cutting	90	12	GREEN
POLYESTER GR 2-0 X 75-30MM HC RC	ME206230	2-0		30 mm 1/2 Circle Reverse Cutting	75	12	GREEN

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERICRON XL (POLYESTER SUTURE)							
POLYESTER GR 4-0 X 76-8MM QC SM	ME682	4-0		8 mm 1/4 Circle Spatula Micropoint	76	12	GREEN
POLYESTER GREEN 4-0 X 75-26MM HC RB	ME406831	4-0		26 mm 1/2 Circle Round Body	75	12	GREEN
POLYESTER GR 4-0 X 90-17MM HC TC DN	ME4013395	4-0		17 mm 1/2 Circle Taper Cut Taper Cut	90	12	GREEN
POLYESTER GREEN 4-0 X 75-20MM HC RB	ME406761	4-0		20 mm 1/2 Circle Round Body	75	12	GREEN
POLYESTER GREEN 4-0 X 75-13MM CU RB DN	ME6891G	4-0		13 mm 3/8 Circle Round Body Round Body	75	12	GREEN
POLYESTER GREEN 4-0 X 90-17.5MM HC RC DN	ME6935G	4-0		17.5 mm 1/2 Circle Reverse Cutting Reverse Cutting	90	12	GREEN
POLYESTER GR 4-0 X 75-20MM HC RB DN	ME406761DN	4-0		20 mm 1/2 Circle Round Body Round Body	75	12	GREEN
POLYESTER GR 5-0 X 45-8MM QC SM DN	ME683	5-0		8 mm 1/4 Circle Spatula Micropoint Spatula Micropoint	45	12	GREEN
POLYESTER GREEN 5-0 X 60-17MM HC RB DN	ME506757	5-0		17 mm 1/2 Circle Round Body Round Body	60	12	GREEN
POLYESTER GREEN 5-0 X 45-8MM HC SM DN	ME500883DN	5-0		8 mm 1/2 Circle Spatula Micropoint Spatula Micropoint	45	12	GREEN
POLYESTER GREEN 5-0 X 75-13MM HC RB DN	ME6889	5-0		13 mm 1/2 Circle Round Body Round Body	75	12	GREEN
POLYESTER GREEN 5-0 X 75-13MM CU RB DN	ME6890G	5-0		13 mm 3/8 Circle Round Body Round Body	75	12	GREEN
POLYESTER WH 5-0 X 45-8MM QC SM DN	ME50893DN	5-0		8 mm 1/4 Circle Spatula Micropoint Spatula Micropoint	45	12	WHITE
POLYESTER WH 5-0 X 45-8MM HC SM DN	ME50883DN	5-0		8 mm 1/2 Circle Spatula Micropoint Spatula Micropoint	45	12	WHITE
POLYESTER GR 6-0 X 75-11MM CU RB DN	ME6597	6-0		11 mm 3/8 Circle Round Body Round Body	75	12	GREEN
POLYESTER GREEN 1 X 90-36MM HC RC - 3D	ME012520Z	1		36 mm 1/2 Circle Reverse Cutting	90	36	GREEN

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERICRON XL (POLYESTER SUTURE)							
POLYESTER GREEN 3-0 X 75-17MM HC TC-3D	ME306935Z	3-0		17 mm 3/8 Circle Reverse Cutting	75	36	GREEN
POLYESTER GREEN 4-0 X 45-13MM CU RC-3D	ME407573Z	4-0		13 mm 3/8 Circle Reverse Cutting	45	36	GREEN
POLYESTER GREEN 4-0 X 45-19MM CU RC-3D	ME407142Z	4-0		19 mm 3/8 Circle Reverse Cutting	45	36	GREEN
POLYESTER WHGR 2-0X75-25MM HC TC DN TP6	MME6577X	2-0		25 mm 1/2 Circle Taper Cut Taper Cut	75	6	GREEN/ WHITE
POLYESTER WHGR 2-0X75-17MM HC TC DN TP6	MME6555X	2-0		17 mm 1/2 Circle Taper Cut Taper Cut	75	6	GREEN/ WHITE
POLYESTER WHGR 2-0X75-25MM HC TC DN TP5	MME6577	2-0		25 mm 1/2 Circle Taper Cut Taper Cut	75	6	GREEN/ WHITE
POLYESTER WHGR 2-0X75-17MM HC TC DN TP5	MME6555	2-0		17 mm 1/2 Circle Taper Cut Taper Cut	75	6	GREEN/ WHITE
POLYESTER GR 2-0 X 90-17MM HC TC DN TP	PME617	2-0		17 mm 1/2 Circle Taper Cut Taper Cut	90	12	GREEN
POLYESTER WH 2-0 X 90-17MM HC TC DN TP	PME617W	2-0		17 mm 1/2 Circle Taper Cut Taper Cut	90	12	WHITE
POLYESTER GR 2-0 X 90-25MM HC TC DN TP	PME687	2-0		25 mm 1/2 Circle Taper Cut Taper Cut	90	12	GREEN
POLYESTER WH 2-0 X 90-25MM HC TC DN TP	PME687W	2-0		25 mm 1/2 Circle Taper Cut Taper Cut	90	12	WHITE
POLYSTER XL GR 2-0 X 75-26MM HC TC DN TP	ME202613	2-0		26 mm 1/2 Circle Taper Cut Taper Cut	75	12	GREEN
POLYSTER XL GR 2-0 X 75-17MM HC TC DN TP	ME200553	2-0		17 mm 1/2 Circle Taper Cut Taper Cut	75	12	GREEN
POLYESTER XL WHGR 2-0X75-17MM HCTCDN TP3	MME6555MP	2-0		17 mm 1/2 Circle Taper Cut Taper Cut	75	6	GREEN/ WHITE

Description	FG Code	Size		Needle Profile Shape, Type & Length	Suture Length (cm)	Pack Size	Suture Colour
MERICRON XL (POLYESTER SUTURE)							
POLYESTER XL WHGR 2-0X75-25MM HCTCDN TP3	MME6577MP	2-0		25 mm 1/2 Circle Taper Cut Taper Cut	75	6	GREEN/ WHITE
POLYESTER XL GR 2-0 X 90-17MM HC TCDN P3	PME617MP	2-0		17 mm 1/2 Circle Taper Cut Taper Cut	90	12	GREEN
POLYESTER XL WH 2-0 X 90-17MM HC TCDN P3	PME617WMP	2-0		17 mm 1/2 Circle Taper Cut Taper Cut	90	12	WHITE
POLYESTER GR 2-0 X 90-17MM HC TC DN TP6	PME6937	2-0		17 mm 1/2 Circle Taper Cut Taper Cut	90	12	GREEN
POLYESTER GR 2-0 X 90-26MM HC TC DN TP6	PME6977G	2-0		26 mm 1/2 Circle Taper Cut Taper Cut	90	12	GREEN
POLYESTER WH 2-0 X 90-26MM HC TC DN TP6	PME6987W	2-0		26 mm 1/2 Circle Taper Cut Taper Cut	90	12	WHITE
POLYESTER XL WH/GR 2-0X90-25MM HC TC DNTP5	SM10B77	2-0		25 mm 1/2 Circle Taper Cut Taper Cut	90	6	GREEN/ WHITE
POLYESTER GR 5-0 X 75-13MM HC RB DN TP3	PME6889G	5-0		13 mm 1/2 Circle Round Body Round Body	75	12	GREEN

Meril Endo Surgery Pvt. Ltd

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T : +88 02 9122714 / 24





Certificate

No. Q5 105557 0001 Rev. 00

Holder of Certificate: **Meril Endo Surgery Pvt. Ltd.**
Third floor, E1- E3, Meril Park
Survey No 135/2/B & 174/2, Muktanand Marg, Chala
396191 Vapi, Gujarat
INDIA

Facility(ies): Meril Endo Surgery Pvt. Ltd.
Third floor, E1- E3, Meril Park , Survey No 135/2/B & 174/2,
Muktanand Marg, Chala, 396191 Vapi, Gujarat, INDIA

Meril Endo Surgery Pvt. Ltd
Type A-2, Shed No. 11, Survey No. 725/P, Phase – I, GIDC,
396195 Vapi, Gujarat, INDIA

Meril Endo Surgery Pvt. Ltd
Plot No 688/10 & 11, Siddivinayak Industrial Estate, Somnath
Road, 396210 Daman, INDIA

Certification Mark:



Scope of Certificate: Design, Development, Production, Testing, Storage, Sales and Distribution of Sterile / Non-sterile Endo Surgical Products e.g., Bulk and Finished Surgical Sutures, Polytetrafluoroethylene Pledgets, Sutures with Polytetrafluoroethylene Pledgets, Contraceptive Devices, Surgical Meshes, Mesh Fixation Devices, Bone Wax, Umbilical Cotton Tape, Surgical Kits, Surgical Staplers and Staples, Tourniquet Devices, Disposable Endoscopic Trocars, Ligating Clips, Surgical Haemostats, Skin Adhesives, Surgical Adhesives, Sealants & Surgical Needles”

Applied Standard(s): EN ISO 13485:2016
Medical devices - Quality management systems -
Requirements for regulatory purposes
(ISO 13485:2016)
DIN EN ISO 13485:2016

The Certification Body of TÜV SÜD Product Service GmbH certifies that the company mentioned above has established and is maintaining a quality management system, which meets the requirements of the listed standard(s). See also notes overleaf.

Report No.: IND2019074
Valid from: 2020-03-30
Valid until: 2023-03-29

Date, 2020-03-30

Christoph Dicks
Head of Certification/Notified Body

EC CERTIFICATE

According to Annex II of the Directive 93/42/EEC on Medical Devices

Full Quality Assurance System

Certificate Number: 2195-MED-1929401

Manufacturer: MERIL ENDO SURGERY PVT. LTD.
Third Floor, E1-E3, Meril Park, Survey No. 135/2/B & 174/2, Muktanand Marg,
Chala, Vapi – 396 191, Gujarat, INDIA

Product(s): (1) Non-Absorbable, Braided Coated Poly(Ethylene Terephthalate) Surgical Suture
(2) Non-Absorbable, Monofilament Polyamide Surgical Suture
(3) Non-Absorbable, Monofilament Polypropylene Surgical Suture
(4) Non-Absorbable, Braided Coated Silk Surgical Suture
(5) Non-Absorbable, Monofilament Stainless Steel Surgical Suture

Model(s): Product specifications are stated on the second page.

Reference Report No: MM0755-P001-R01, MM0755-P001-R02

Szutest, Notified Body 2195, declares that the aforementioned manufacturer has implemented a quality assurance system according to Annex II (excluding section 4), Section 3 of the directive 93/42/EEC on medical devices. This quality assurance system covers those aspects of manufacturing concerned with securing and maintaining safe conditions of the respective product(s) and conforms to the provisions of this Directive. The approved quality system is subject to surveillance pursuant to Annex II, Section 5 of Directive 93/42/EEC and unannounced audits.

Szutest must be informed of any significant changes in the design and/or construction of the product(s). For class I devices with sterile conditions the quality management system evaluation is restricted to the aspects of manufacture concerned with securing and maintaining sterile conditions. For class I devices with measuring function the quality management system evaluation is restricted to the aspects of manufacture concerned with the conformity of the devices with metrological requirements.

This EC certificate is valid till 2024-05-26.

Issue Date: 2019-10-21



Rukiye BALKAN
Deputy General Manager

SZUTEST

Certificate Number: 2195-MED-1929401

Product Specifications

Product Categories	Type (Models)	Generic Name
(1) Non-Absorbable, Braided Coated Poly(Ethylene Terephthalate) Surgical Suture	MERICRON XL™	Sterile Non-Absorbable Poly(Ethylene Terephthalate) Surgical Suture
	Aspiron™	Sterile Non-Absorbable Poly(Ethylene Terephthalate) Surgical Suture
	MERICRON XL™ P	Sterile Non-Absorbable Poly(Ethylene Terephthalate) Surgical Suture with PTFE Pledget
(2) Non-Absorbable, Monofilament Polyamide Surgical Suture	FILAMIDE™	Sterile Non-Absorbable Polyamide Surgical Suture
	Aspiron™	Sterile Non-Absorbable Polyamide Surgical Suture
(3) Non-Absorbable, Monofilament Polypropylene Surgical Suture	FILAPROP™ P	Sterile Non-Absorbable Polypropylene Surgical Suture with PTFE Pledget
(4) Non-Absorbable, Braided Silk Surgical Suture	FILASILK™ REEL	Non-Sterile Non-Absorbable Silk Surgical Suture
(5) Non-Absorbable, Monofilament Stainless Steel Surgical Suture	MERISTEEL™	Sterile Non-Absorbable Stainless Steel Surgical Suture



SZUTEST UYGUNLUK DEĞERLENDİRME A.Ş.

Tatlısu Mahallesi, Akif İnan Sk. No:1 Ümraniye 34774 İSTANBUL / TÜRKİYE

EC Certificate

Full Quality Assurance System

Certificate No.:
245506-2017-CE-IND-NA-PS Rev. 2.0

Project No.:
PRJC-499089-2014-MSL-IND

Valid Until:
27 May 2024

This is to certify that the quality system of:

Meril Endo Surgery Pvt Ltd

Third Floor, E1- E3, Meril Park, Survey No 135/2/B & 174/2, Muktanand Marg,
Chala, Vapi, Gujarat, India - 396191

For design, production and final product inspection/testing of:

Sterile / non - sterile surgical sutures with and without needle

Has been assessed with respect to:

The conformity assessment procedure described in Annex II of Council Directive 93/42/EEC on Medical Devices, as amended

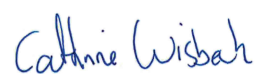
and found to comply.

Further details of the product(s) and conditions for certification are given overleaf.

Place and Date:
Høvik, 16 July 2019



For:
DNV GL PRESAFE AS



Cathrine Wisbech

The Certificate has been digitally signed.
See www.presafe.com/digital_signatures for more info

Notice: The Certificate is subject to terms and conditions as set out in the Certification Agreement. Failure to comply may render this Certificate invalid.

EC Certificate

Full Quality Assurance System

Certificate No.:
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Project No.:
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Valid Until:
27 May 2024

Jurisdiction

Application of Council Directive 93/42/EEC of 14 June 1993, adopted as "Forskrift om Medisinsk Utstyr" by the Norwegian Ministry of Health and Care Services.

Certificate history:

Revision	Description	Issue Date
0.0	Supersedes DNVGL (NB 0434) Certificate no: 151561-2014-CE-IND-NA Rev 3.0 following transfer to notified body functions to DNV GL Nemko Presafe AS (NB 2460)	2017-11-15
1.0	Remove of Polypropylene Mesh	2018-01-08
2.0	Recertification and reduction in scope	2019-07-16

Products covered by this Certificate:

Product Description	Product Name	Class
Absorbable Sutures	- Megasorb™ / Aspiron™ Polyglycolic acid Braided coated Polyglycolic acid suture - Mitsu™ / Aspiron™ Polyglactin 910 and Mitsu FST™ / Aspiron™ Polyglactin 910 FST. Braided coated Poly (glycolide/l-lactide) suture - Filaxyn™ / Aspiron™ Polydioxanone suture. Monofilament Poly (p-dioxanone) suture - Filapron™ / Aspiron™ Polyglecaprone 25 suture. Monofilament poly (glycolide-co-caprolactone) suture	III*
Non-Absorbable Sutures	Filaprop™ / Aspiron™ Polypropylene Blue Monofilament Polypropylene Suture	III**

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Full Quality Assurance System

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Project No.:
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Valid Until:
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*Design assessment is covered by a separate EC-Design Examination Certificate No.: 245507-2017-CE-IND-NA-PS Rev. 2

**Design assessment is covered by a separate EC-Design Examination Certificate No.: 245508-2017-CE-IND-NA-PS Rev. 2

Sites covered by this certificate

Site Name	Address
Meril Endo Surgery Pvt Ltd	Third Floor, E1- E3, Meril Park, Survey No 135/2/B & 174/2, Muktanand Marg, Chala, Vapi, Gujarat, India - 396191

EU Representative

OBELIS S.A

Bd. Général Wahis, 53, 1030 Brussels, Belgium. Tel: +32.2.732.59.54. Fax: +32.2.732.60.03

E-mail: mail@obelis.net, www.obelis.net

EC Certificate

Full Quality Assurance System

Certificate No.:
245506-2017-CE-IND-NA-PS Rev. 2.0

Project No.:
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Valid Until:
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Terms and conditions

The certificate is subject to the following terms and conditions:

- Any producer (see 2001/95/EC for a precise definition) is liable for damage caused by a defect in his product(s), in accordance with directive 85/374/EEC, as amended, concerning liability of defective products.
- The certificate is only valid for the products and/or manufacturing premises listed above.
- The Manufacturer shall fulfil the obligations arising out of the quality system as approved and uphold it so that it remains adequate and efficient.
- The Manufacturer shall inform Presafe of any intended updating of the quality system and Presafe will assess the changes and decide if the certificate remains valid.
- Periodical audits will be held, in order to verify that the Manufacturer maintains and applies the quality system. Presafe reserves the right, on a spot basis or based on suspicion, to pay unannounced visits.

The following may render this Certificate invalid:

- Changes in the quality system affecting production.
- Periodical audits not held within the allowed time window.

Conformity declaration and marking of product

When meeting with the terms and conditions above, the producer may draw up an EC declaration of conformity and legally affix the CE mark followed by the Notified Body identification number of Presafe.

End of Certificate