

Surgical sutures, Meshes and Biosurgicals

General Catalogue



Closure Technologies

Innovative quality products for surgery

Wide innovative product range

B. Braun offers a wide range of absorbable sutures, non-absorbable sutures, customized suture sets (Pro-Set) and special suture sets, as well as a full range of meshes and biosurgicals.



High quality

B. Braun has achieved its leading position in the surgery field thanks to its high quality products. All B. Braun manufacturing plants have a quality department, which approves new products, verifies quality of raw materials, in-process and finished products and guarantees the traceability of each product manufactured.



Compliance with international standards

Our production facilities of B. Braun have undergone ISO certification and follow GMP's (Good Manufacturing Practices), so that the efficient manufacturing of high quality products can be guaranteed.



Product specific know-how in the Closure Technologies centre of excellence

State-of-the-art production technology

Our Closure Technologies centre of excellence is based in Rubí (Spain). Here, all relevant functions such as research and development, manufacturing, quality assurance and strategic marketing are brought together to enhance product development and to develop a greater number of innovative products that can be launched more quickly onto the market.



Customer focused strategy

As a result of having such extensive know-how located in one place, we have the capacity to continuously improve products and processes as well as to implement necessary changes swiftly and therefore to quickly adapt ourselves to new customer requirements.



Competence in sutures, meshes and biosurgicals

The Rubí competence centre manufactures a complete range of absorbable, non-absorbable and microsurgical sutures as well as meshes. Biosurgicals are manufactured in Melsungen and Tuttlingen in Germany.



Central product distribution

The international distribution of sutures and specialties is managed by our central warehouse in Rubí (Spain).



Contents

Sutures general information

- **Packaging information**
- **Needle information**

Sutures

■ **Absorbable sutures**

Safil® Quick
Safil®
Novosyn®
Monosyn® Quick
Monosyn®
MonoPlus®
Monomax®

■ **Non-absorbable sutures**

Premilene®
PremiCron®
Dafilon®
Trelon®
Supramid
Dagrofil®
Virgin silk / Silkam®
Steelex®
Linatrix®

■ **Mechanical sutures**

Manipler® AZ
Reliable consistent performance
Skin staple remover
Fast and easy

■ **Sets**

Episio-Set
For episiotomies
Safil® Parenchyma-Set
For parenchymal organs
Securex®
For intracutaneous suturing
Dermaset
For full-thickness skin graft suturing
Tendo-Loop
For the repair of ruptured tendons according to Tsuge technique
Cervix-Set
For the treatment of cervical incompetence

Ear-Set

For ear reconstruction

Patella-Set

For fractures of the patella

Tendofil®

For the repair of ruptured tendons according to Lengemann technique

Ventrofil®

For tension relief

Surgical Loop

For organ retraction and more

Sternum-Set

For sternum closure

Steelex® Electrode-Set

For the control and treatment of arrhythmias

Pro-Set

Suture sets customized to your particular needs

Meshes

■ **Non-absorbable meshes**

Premilene® Mesh

Traditional polypropylene mesh for hernia repair

Premilene® Mesh Plug

Self-expandable polypropylene mesh plug for inguinal hernia repair

Optilene® Mesh

Universal light-weight mesh for inguinal and incisional hernia repair

Optilene® Mesh LP

Super-light mesh ideal to reduce chronic pain in inguinal hernia repair procedures

Optilene® Mesh elastic

Elastic light-weight and large pore mesh

Omyra® Mesh

Unique condensed PTFE mesh with big pores, ideal for intraperitoneal placement

■ **Absorbable meshes**

Safil® Mesh

Absorbable mesh for temporary wound and organ support

Safil® Mesh Bag

Absorbable mesh bag for organ stabilization and haemostasis

Contents

Biosurgicals

■ Tissue adhesives

Histoacryl®

Tissue adhesive

■ Hemostats

Sangustop®

Local haemostatic agent for all types of bleeding

Lyostypt®

Local haemostatic agent for minor bleeding

Gelita

Local haemostatic agent when support or fill in dead spaces is needed

Bone Wax / Bone Wax Stick

For mechanical haemostatic in bone bleeding

■ Bone regenerator

Osteovit®

Collagen matrix for filling bone defects

Special products

■ Endoluminal vacuum therapy

Endo-SPONGE®

■ Simple management of needles and blades

OP-Magnet

Sutures general information

Packaging information

Needle information

Packaging information

RacePack®

DDP-Direct Dispense Packaging

Easy suture colour coding

Easy mesh colour coding

B. Braun bar code systems

B. Braun useful accessories

B. Braun guarantee of consistent high quality

RacePack®

Unique and innovative suture packaging system by B. Braun

Unique and innovative

B. Braun has a long history of suture expertise and the use of state of the art technology. By using this expertise along with our commitment to constant improvement, B. Braun, through our ongoing partnership with OR staffs around the world, has developed the latest in suture packaging innovation. RacePack® is a new standard in suture packaging that addresses the needs of your surgical team in a whole new way.



RacePack®-single step packaging system

- Faster suture transfer, time savings for OR staff

RacePack®-memory reduced to a maximum

- A reduction of up to 40 % compared to standard packaging in the market

RacePack® friendly product identification





Handling steps:



Open non-sterile outer package

- Wide grasp area



RacePack® transfer to sterile field



Grasp needle directly from the packaging with the needle holder

- Flexible rear flap allows an easier grasping of the needle



Pull out the suture right-wards

DDP-Direct Dispense Packaging



Clearly labelled product information and easy product identification

Handling steps:



Open non-sterile outer package



Transfer to sterile field









Tear-off opening system, indicated by coloured arrows




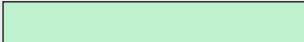






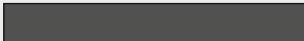
Quick and direct gripping of the needle. Pull out the suture right-wards

Easy suture colour coding

Absorbable sutures


 ■ Monosyn® Quick	 ■ Monosyn®	 ■ MonoPlus®	 ■ Monomax®
 ■ Safil® Quick ■ Episio-Set	 ■ Novosyn® ■ Safil® ■ Safil® Parenchyma-Set		

Non-absorbable sutures

 ■ Premilene® ■ Securex® ■ Dermaset	 ■ Dafilon® ■ Supramid ■ Trelon®	 ■ PremiCron® ■ Tendo-Loop	 ■ Dagrofil® ■ Cervix-Set
 ■ Silkam® ■ Virgin Silk	 ■ Steelex® ■ Steelex® Electrode-Set ■ Sternum-Set ■ Ventrofil®	 ■ Patella-Set ■ Tendofil® ■ Ear-Set	
 ■ Linatrix®	 ■ Surgical Loop		

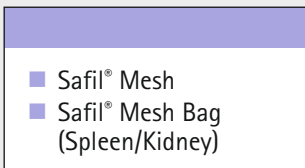
Article coding for easy box content identification

The suture code number consists of 1 letter and 7 digits.
The letter identifies the number of units in each box:

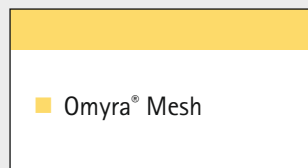
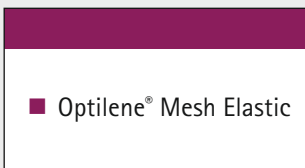
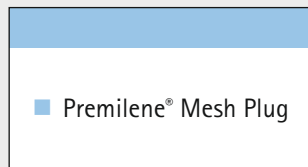
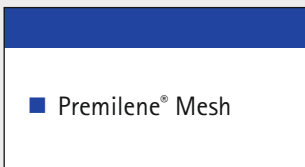
	
M	Box of 6 units
G	Box of 12 units
B	Box of 24 units
C	Box of 36 units

Easy mesh colour coding

Absorbable meshes



Non-absorbable meshes



B. Braun bar code systems

Data matrix

B. Braun prints the data matrix (2D or two-dimensional) bar codes with the EAN-128 information on each individual packaging and box, thus guaranteeing a unique product identification, which includes expiry date and batch number, at all levels of packaging.



Linear bar code

In addition to the data matrix, B. Braun prints bar code with the EAN-128 information on each box.



Primary bar code

GTIN 13 [Global Trade Item Number].

Secondary bar code

Expiry date batch number.



Information of EAN-128

- GTIN 13 [Global Trade Item Number] application identifier 01
- Expiry date application identifier 17
- Batch number application identifier 10

B. Braun useful accessories

Shelf rack

Each shelf rack can take up to 4 suture boxes.

Article	Code number
Shelf rack	1091255



Shelf base

The shelf base can carry up to 10 shelf racks.
It can be fixed on the wall.









Article	Code number
Shelf base	1091247



B. Braun guarantee of consistent high quality

All B. Braun products have CE labelling.

Symbols for use in the labeling of medical devices according to DIN EN 980:2008-08.

Do not reuse	
Use by (year + month)	
Sterile unless package is opened or damaged. Method of sterilisation: Ethylene oxide	
Sterile unless package is opened or damaged. Method of sterilisation: Gamma-irradiation	
CE-mark and identification number of notified body. Product conforms to the essential requirements of the Medical Device Directive 93/42/EEC.	
Batch number	
CAUTION (See instructions for use)	
Catalogue number	

Needle information

B. Braun high performance surgical needles

B. Braun top needle range

CV pass needle generation

B. Braun needle types

B. Braun needle nomenclature

B. Braun needles

B. Braun high performance surgical needles

Quality and high performance

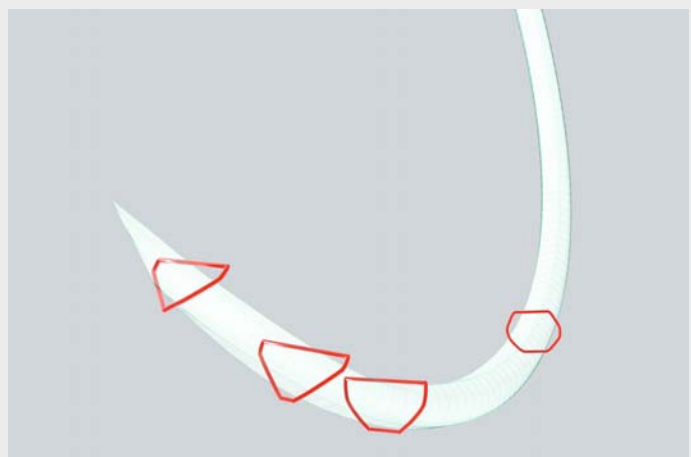
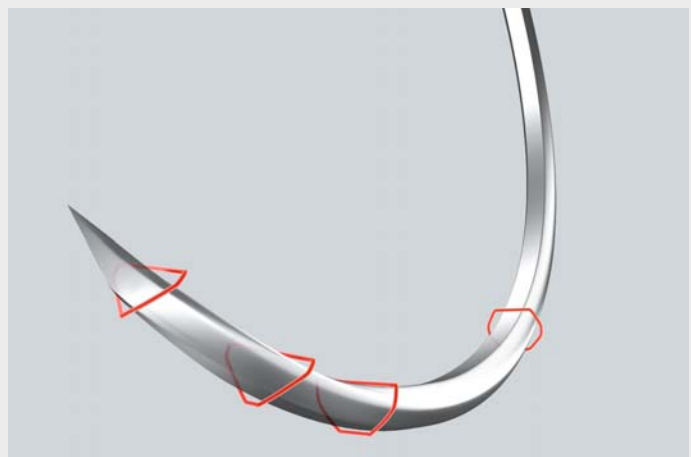
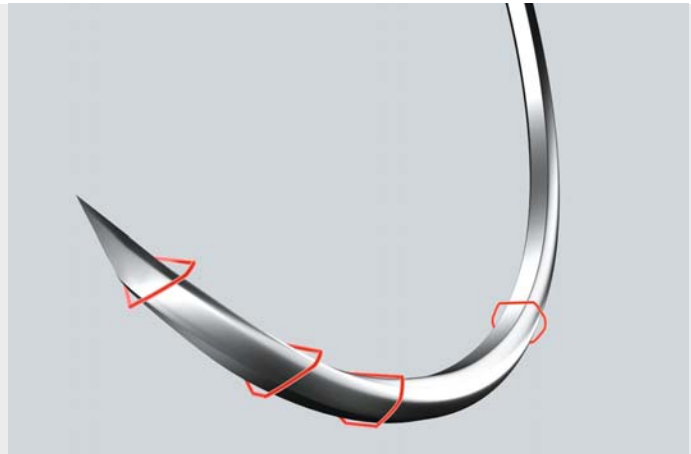
- B. Braun needles have gained recognition over the years for their quality and high performance.

Constant development

- B. Braun has state of the art technology and is committed to constant research and development in order to improve needles to the need of all surgical disciplines.

More than 250 different types of needles

- B. Braun has over 250 different types of needles to meet the needs of the surgical procedure as well as the surgeon's personal preferences.



B. Braun top needle range



Easyslide and CV pass needles are the result of both extensive research in metallurgical technology and clinical experience.

This has resulted in needles that are made of high quality stainless steel alloy.

Bending resistance

with high performing needles

- Special steel confers superior strength
- Outstanding bending and breaking resistance

Penetration

specific needle tip design

- Continuous penetration performance pass after pass
- Engineered surface treatment that improves needle penetration



The B. Braun latest generation of precision point cutting needles for plastic surgery.

The dream for plastic surgery

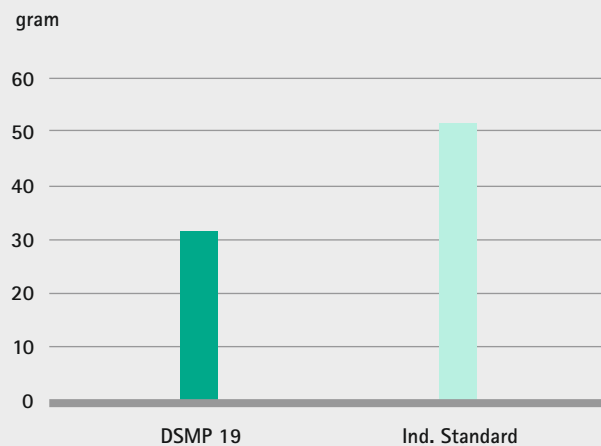
Excellent penetration performance and guaranteed bending resistance.

Specific needle tip and geometry design

- Thin tip for easiest and smoothest pass
- Excellent durability and needle point integrity
- Incorporates flattened body for an excellent stability in the needle holder

Penetration

Average penetration force after 10 stitches



Source: Internal laboratory tests

CV pass needle generation

Excellence in cardiovascular surgery

The new needle generation for CV surgery

- Specifically developed to meet the high standards required during cardiovascular surgery
- CV pass needles are manufactured employing top quality stainless steel alloy (300 stainless steel series)



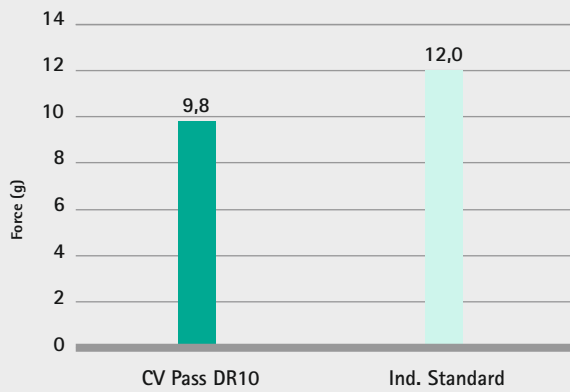
Specific needle body design

An innovative semi-square body with round edges provides CV pass needles with:

- Superior resistance to bending and breakage
- Optimal penetration even after multiple stitches
- Atraumatic passage through tissues
- Excellent stability in the needle holder
- Improved needle visibility with CV pass easyblack

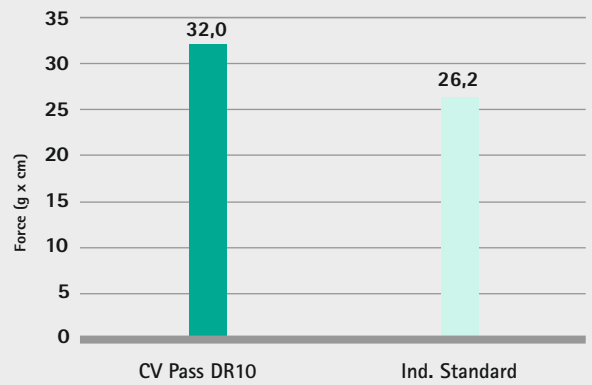


Penetration and bending performance for 3/8 circle round body 10 mm taper point needle USP 7/0



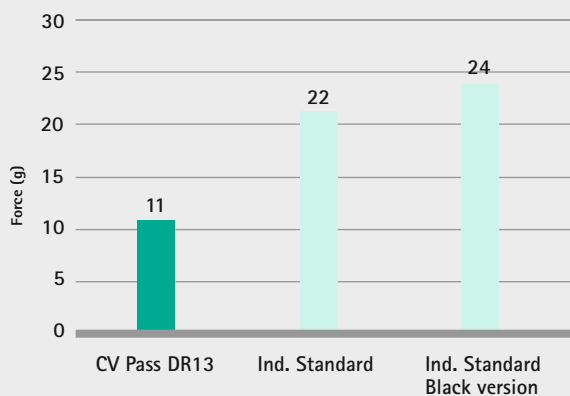
Penetration
Average penetration force after 10 stitches

Source: Internal laboratory tests



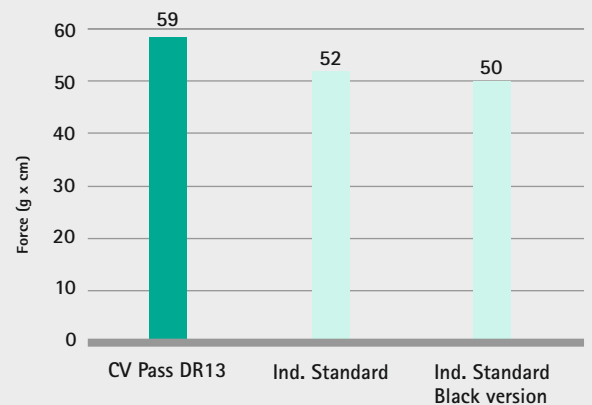
Bending
Maximum force applied to bend the needle

Penetration and bending performance for 3/8 circle round body 13 mm taper point needle USP 6/0



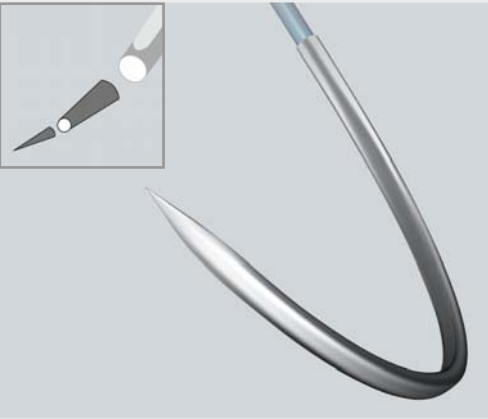
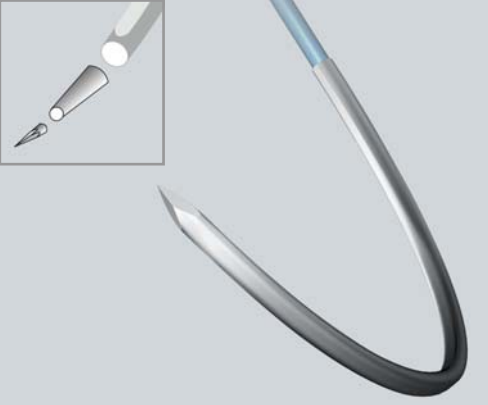
Penetration
Average penetration force after 10 stitches


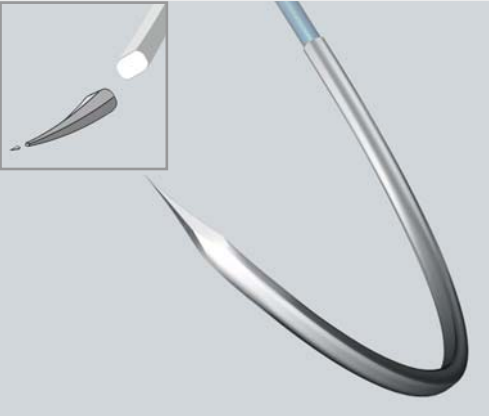
Source: Internal laboratory tests


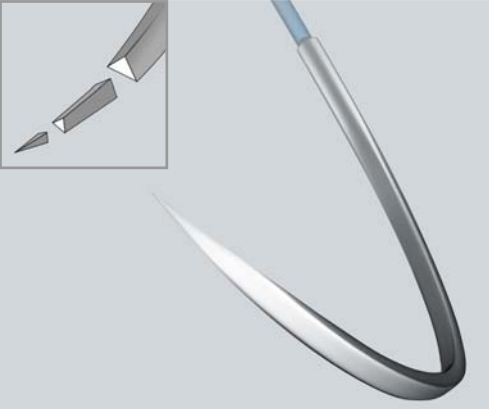


Bending
Maximum force applied to bend the needle


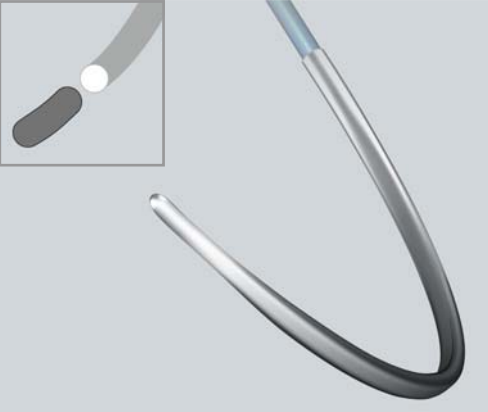
B. Braun needle types


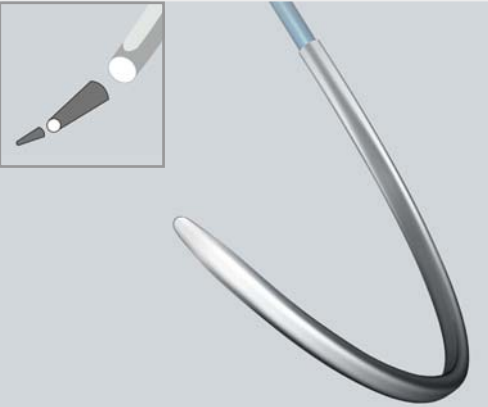
Taper needle ●	Typical applications / indications:	Threads:	Sets:
<p>The taper needle is designed to permit easy penetration of the tissue. The body of the needle is flattened to prevent the needle from rotating in the needle holder. This needle is designed for soft tissues. CV pass needle with square needle body instead of flattened needle body for increased bending strength. This needle is specially designed for cardiovascular indications.</p> 	<ul style="list-style-type: none"> ■ Gastrointestinal tract ■ Urologic tract ■ Reproductive organs (male and female) ■ CV system (heart structures and vessels without atheroma) ■ Respiratory system ■ Endocrine surgery ■ Hepatobiliary surgery ■ Membranes (dura, peritoneum, pericardium) ■ Muscular layer ■ Cellular subcutaneous ■ Microsurgery (vessels, nerves) ■ Oral mucosa 	<p>Absorbable sutures</p> <ul style="list-style-type: none"> ■ Safil® Quick ■ Safil® ■ Novosyn® ■ Monosyn® Quick ■ Monosyn® ■ MonoPlus® ■ Monomax® <p>Non-absorbable sutures</p> <ul style="list-style-type: none"> ■ Premilene® ■ PremiCron® ■ Dafilon® ■ Trelon® ■ Supramid ■ Dagrofil® ■ Virgin Silk / Silkam® ■ Steelex® ■ Linatrix® 	<ul style="list-style-type: none"> ■ Episio-Set ■ Steelex® Electrode-Set
Taper needle with short cutting point ○	Typical applications / indications:	Threads:	
<p>The round bodied needle with a short cutting point improves penetration through calcified vessels and tough tissue. CV pass needle with square needle body instead of flattened needle body for increased bending strength. This needle is specially designed for cardiovascular indications.</p> 	<ul style="list-style-type: none"> ■ CV system (heart structures and vessels with atheroma) ■ Muscular layer ■ Aponeurosis ■ Ligaments ■ Tendon 	<p>Absorbable sutures</p> <ul style="list-style-type: none"> ■ Safil® Quick ■ Safil® ■ Novosyn® ■ Monosyn® ■ MonoPlus® ■ Monomax® <p>Non-absorbable sutures</p> <ul style="list-style-type: none"> ■ Premilene® ■ PremiCron® ■ Dafilon® ■ Supramid ■ Sternum-Set 	

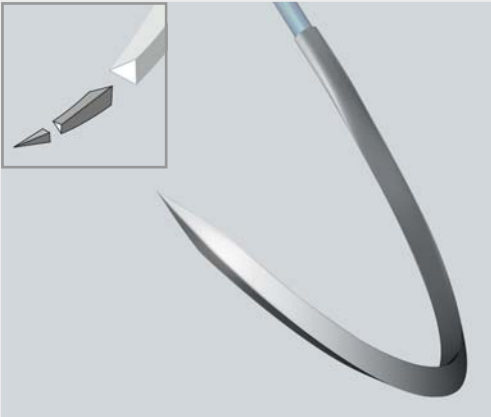
Taper needle with trocar point 	Typical applications / indications:	Threads:	Sets:
<p>Needle with strong cutting point of four edges that blend into a round tapered body. This needle ensures good penetration in tough tissues with minimum tissue trauma.</p> 	<ul style="list-style-type: none"> ■ Muscular layer ■ Aponeurosis ■ Ligaments ■ Tendon 	<p>Absorbable sutures</p> <ul style="list-style-type: none"> ■ Safil® Quick ■ Safil® ■ Novosyn® ■ Monosyn® Quick ■ Monosyn® ■ MonoPlus® ■ Monomax® <p>Non-absorbable sutures</p> <ul style="list-style-type: none"> ■ Premilene® ■ PremiCron® ■ Dafilon® ■ Trelon® ■ Supramid ■ Dagrofil® ■ Virgin silk / Silkam® ■ Steelex® 	<ul style="list-style-type: none"> ■ Episio-Set ■ Tendo-Loop ■ Cervix-Set ■ Steelex® Electrode-Set

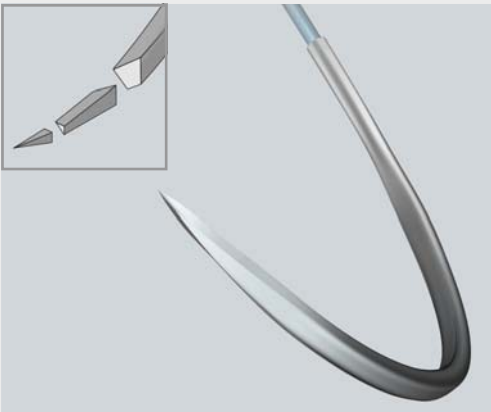
Taper needle with sternum point 	Typical applications:		Sets:
<p>Needle with tapered body which gradually changes to a three cutting edge point. This needle is specially designed for sternum closure.</p> 	<ul style="list-style-type: none"> ■ Sternum closure 		<ul style="list-style-type: none"> ■ Sternum-Set

B. Braun needle types


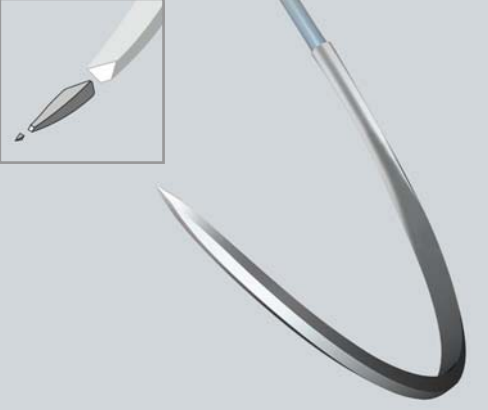
Taper needle with blunt point 	Typical applications / indications:	Threads:	Sets:
<p>Needle with a tapered body and a rounded blunt point that does not cut through the tissue; recommended for parenchymal tissue to avoid tissue damage in surrounding structures.</p> 	<ul style="list-style-type: none"> ■ Blunt dissection through friable tissue ■ Parenchyma organs ■ Sternum (peristernal) 	<p>Absorbable sutures</p> <ul style="list-style-type: none"> ■ Safil® Quick ■ Safil® ■ Novosyn® ■ Monosyn® ■ MonoPlus® ■ Monomax® <p>Non-absorbable sutures</p> <ul style="list-style-type: none"> ■ Premilene® ■ Dafilon® ■ Virgin silk / Silkam® 	<ul style="list-style-type: none"> ■ Safil® Parenchyma-Set ■ Dermaset ■ Cervix-Set ■ Surgical Loop ■ Sternum-Set

Taper needle with protection point 	Typical applications / indications:	Threads:
<p>Needle specially designed to minimize needle stitch injury. The needle allows penetration of the fascia but reducing the risk of accidental needle stitch injuries.</p> 	<ul style="list-style-type: none"> ■ Membranes (dura, peritoneum, pericardium) ■ Muscular layer (facia and aponeurosis) 	<p>Absorbable sutures</p> <ul style="list-style-type: none"> ■ Safil® Quick ■ Safil® ■ Novosyn® ■ Monosyn® ■ MonoPlus®

Reverse cutting ▼	Typical applications / indications:	Threads:	Sets:
<p>Needle with a triangular cross section and an apex cutting edge on the outside of the needle curvature. Designed to penetrate through tissue.</p> 	<ul style="list-style-type: none"> ■ Skin (dermal and intradermic) ■ Tendon (intra and peritendinous suture) ■ Muscular layer ■ Aponeurosis ■ Ligaments 	<p>Absorbable sutures</p> <ul style="list-style-type: none"> ■ Safil® Quick ■ Safil® ■ Novosyn® ■ Monosyn® Quick ■ Monosyn® ■ MonoPlus® <p>Non-absorbable sutures</p> <ul style="list-style-type: none"> ■ Premilene® ■ PremiCron® ■ Dafilon® ■ Trelon® ■ Supramid ■ Dagrofil® ■ Virgin silk / Silkam® ■ Steelex® ■ Linatrix® 	<ul style="list-style-type: none"> ■ Episio-Set ■ Securex® ■ Dermaset ■ Ear-Set ■ Patella-Set ■ Tendofil® ■ Ventrofil® ■ Surgical Loop ■ Steelex® Electrode-Set

Reverse cutting with precision point ▼	Typical applications / indications:	Threads:	Sets:
<p>Needle with a specific thin tip geometry and an apex cutting edge on the outside. The body is slowly flattened after the needle tip for greater stability of the needleholder. The ideal needle for plastic surgery where the cosmetic result is important.</p> 	<ul style="list-style-type: none"> ■ Skin (dermal and intradermic) ■ Tendon (intra and peritendinous suture) 	<p>Absorbable sutures</p> <ul style="list-style-type: none"> ■ Safil® Quick ■ Safil® ■ Novosyn® ■ Monosyn® Quick ■ Monosyn® ■ MonoPlus® <p>Non-absorbable sutures</p> <ul style="list-style-type: none"> ■ Premilene® ■ PremiCron® ■ Dafilon® ■ Trelon® ■ Supramid ■ Dagrofil® ■ Virgin silk / Silkam® 	<ul style="list-style-type: none"> ■ Episio-Set ■ Securex®

B. Braun needle types

Lancet needle  Micro-point	Typical applications:	Threads:
<p data-bbox="97 667 568 757">Special needle tip designed to pass through ophthalmic structures without damaging the upper and lower layer of stroma.</p> 	<ul data-bbox="719 667 906 696" style="list-style-type: none">■ Ophthalmology	<p data-bbox="1023 667 1150 723">Absorbable sutures</p> <ul data-bbox="1023 730 1177 824" style="list-style-type: none">■ Safil® Quick■ Safil®■ Novosyn® <p data-bbox="1023 824 1203 880">Non-absorbable sutures</p> <ul data-bbox="1023 887 1177 1104" style="list-style-type: none">■ Premilene®■ PremiCron®■ Dafilon®■ Supramid■ Dagrofil®■ Virgin silk / Silkam®

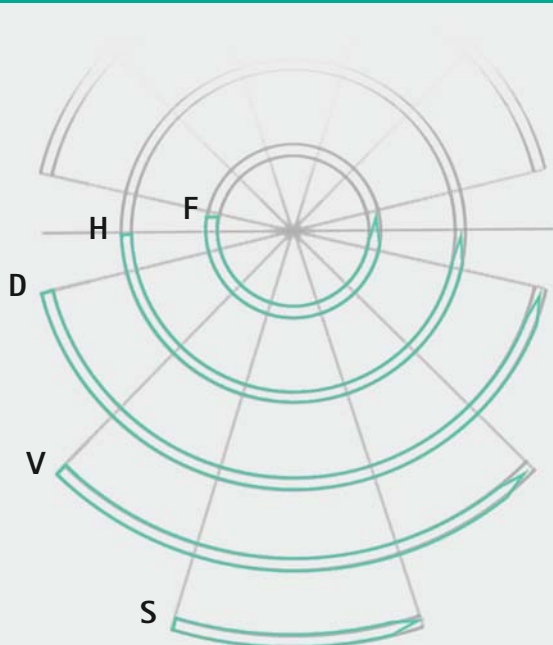
B. Braun needle nomenclature

To identify the different types of needles, B. Braun uses the following nomenclature:

A	B	C	12	D
Needle angle of curvature	Body type	Point type	Needle length	Wire size
S 1/8 circle	R round body	T trocar point	This refers to the distance between the needle point and the needle end, measured along the length of the needle in mm	f thin bodied needle
V 1/4 circle	S cutting needle	N blunt point		s heavy bodied needle
D 3/8 circle	L lancet needle	S sternum point		ss extra heavy bodied needle
H 1/2 circle		C short cutting point		v break-off needle
F 5/8 circle		M micro-point		b black needle
G straight		MP precision point		
P progressive curved		m micro needle		
J hook		mV micro vascular		
SK ski needle		B protection point		
Example:				
H	R	C	26	

HRC 26→1/2 circle round bodied needle with short cutting point, 26 mm long.

Needle angle of curvature

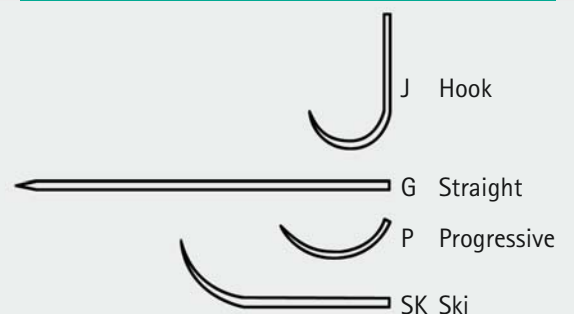


- S 1/8 circle
- V 1/4 circle
- D 3/8 circle
- H 1/2 circle
- F 5/8 circle

"Take off" removable needle

In order to remove the needle from the suture without the aid of scissors, one must pull the suture taut and secure and grasp the needle in the needleholder. A straight tug of the needleholder will then release the needle from the suture.

Others











B. Braun needles





Taper needle (micro vascular needle) ●

Micro vascular needle taper point

3/8 circle

	angle	length mm	diameter microns			angle	length mm	diameter microns	
DRmV 6b 	135°	6,4	140μ		DRmV 10b 	135°	9,3	200μ	
DRmV 8b 	135°	7,9	140μ		DRmV 13b 				




Progressive curved

	angle	length mm	diameter microns			angle	length mm	diameter microns	
PRmV 8b 	85° / 101°	7,9	200μ		PRmV 10b 	95° / 90°	9,3	200μ	









Taper needle (micro needle) ●

Micro-needle taper point




1/2 circle

	angle	length mm	diameter microns			angle	length mm	diameter microns	
HRm 4	180°	4,0	70μ		HRm 8	180°	7,8	140μ	
HRm 6	180°	6,5	200μ						

3/8 circle

	angle	length mm	diameter microns			angle	length mm	diameter microns	
DRm 3	135°	3,8	50μ		DRm 6	135°	6,4	140μ	
DRm 4	135°	4,0	70μ		DRm 8	135°	7,9	140μ	
DRm 4s	135°	4,0	140μ		DRm 10b 	135°	9,3	200μ	
DRm 5	135°	5,0	100μ						

Progressive curved

	angle	length mm	diameter microns			angle	length mm	diameter microns	
PRm 4	95° / 100°	4,0	70μ		PRm 6	100° / 95°	6,4	140μ	
PRm 5	100° / 90°	5,0	100μ						

Taper needle ●
Round bodied needle

1/2 circle

HR 6		HR 22ss	
HR 8		HR 22ss "Take off"	
HR 10f		HR 23	
HR 10		HR 26f	
HR 13f		HR 26	
HR 13		HR 26 "Take off"	
HR 13 "Take off"		HR 26b	
HR 13b		HR 26s	
HR 13ss		HR 26s "Take off"	
HR 17f		HR 26ss	
HR 17		HR 26ss "Take off"	
HR 17 "Take off"		HR 27	
HR 17b		HR 30	
HR 17s		HR 30 "Take off"	
HR 18		HR 30s	
HR 20		HR 30s "Take off"	
HR 20 "Take off"		HR 30ss	
HR 20b		HR 30ss "Take off"	
HR 22		HR 37	
HR 22 "Take off"		HR 37 "Take off"	
HR 22b			
HR 22s			
HR 22s "Take off"			

B. Braun needles

Taper needle ●
Round bodied needle

1/2 circle

HR 37s
HR 37s "Take off"



HR 48
HR 48 "Take off"



HR 37ss
HR 37ss "Take off"



HR 60



HR 40



HR 65
HR 65 "Take off"



HR 40s
HR 40s "Take off"



HR 40ss



HR 70



HR 43
HR 43 "Take off"



HR 43s



HR 76



Taper needle ●
Round bodied needle

3/8 circle

DR 6



DR 6s



DR 8f



DR 8



DR 10f



DR 10



DR 10s



DR 12



DR 13



DR 13s



DR 15



DR 18



DR 18b 



DR 22



DR 26



DR 32



DR 39



DR 48

DR 48 "Take off"



5/8 circle

FR 10



FR 13



FR 17



FR 22



FR 26



FR 26s



FR 36











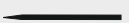
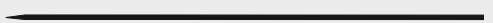
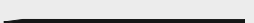
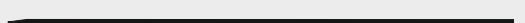
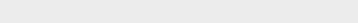
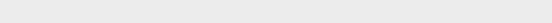
FR 40



FR 110





B. Braun needles

Taper needle ● Round bodied needle			
Hook			
JR 30		JR 36ss	
JR 30s			
JR 30ss		JR 40s	
Ski			
SKR 19		SKR 26 SKR 26 "Take off"	
Progressive curved			
PR 24			
Straight			
GR 19		GR 65	
GR 35		GR 70	
GR 51		GR 75	



Taper needle with short cutting point (micro vascular)

Round bodied micro vascular needle with short cutting point

3/8 circle

	angle	length mm	diameter microns	
DRCmV 10b 	135°	9,3	200μ	








Progressive curved

	angle	length mm	diameter microns	
PRCmV 10b 	95° / 90°	9,3	200μ	






Taper needle with short cutting point (micro)

Round bodied micro needle with short cutting point


3/8 circle

	angle	length mm	diameter microns			angle	length mm	diameter microns	
DRCm 3	135°	3,5	100μ		DRCm 6	135°	6,4	140μ	
DRCm 4	135°	4,2	140μ		DRCm 8	135°	7,9	140μ	
DRCm 5	135°	5,0	100μ		DRCm 10b 	135°	9,3	200μ	

Progressive curved

	angle	length mm	diameter microns			angle	length mm	diameter microns	
PRCm 4	95° / 110°	4,0	70μ		PRCm 6	100° / 95°	6,4	140μ	
PRCm 5	100° / 95°	5,1	100μ		PRCm 10b 	95° / 90°	9,3	200μ	

B. Braun needles

Taper needle with short cutting point 
 Round bodied needle with short cutting point

1/2 circle

HRC 10




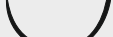
HRC 13



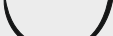
HRC 17
 HRC 17 "Take off"




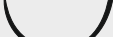
HRC 17b 



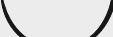
HRC 18



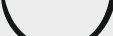
HRC 18b 



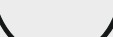
HRC 20




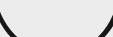
HRC 20s



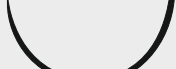
HRC 22



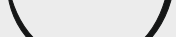
HRC 22b 



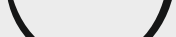
HRC 26
 HRC 26 "Take off"



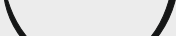
HRC 26b 




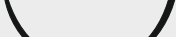
HRC 26s



HRC 27



HRC 27b 



HRC 30



HRC 30s



HRC 37
 HRC 37 "Take off"



HRC 37s



HRC 37ss



HRC 40



HRC 40s




HRC 43
 HRC 43 "Take off"

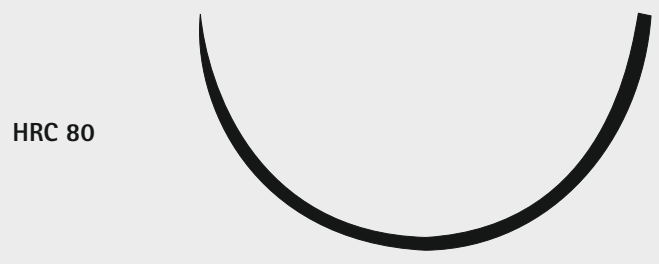
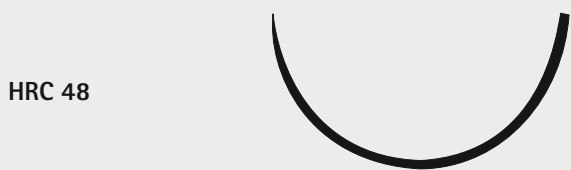


HRC 43s
 HRC 43s "Take off"

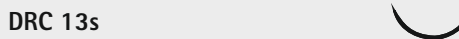
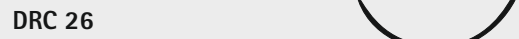
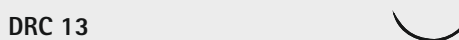
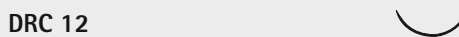
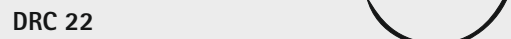
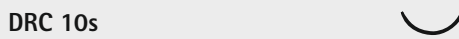
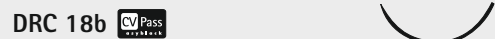
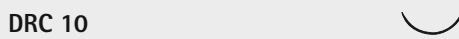
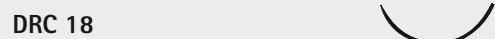
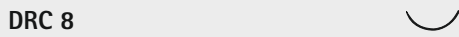
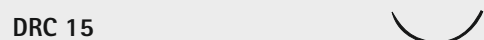
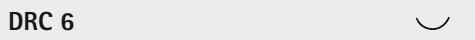


Taper needle with short cutting point 
 Round bodied needle with short cutting point

1/2 circle



3/8 circle



B. Braun needles

Taper needle with short cutting point ☺
Round bodied needle with short cutting point

5/8 circle

FRC 10



Hook

JRC 30s



Progressive curved

PRC 10



PRC 24

PRC 13



Straight

GRC 24



Trocar needle ⊕
 Round bodied needle with trocar point

1/2 circle

HRT 13



HRT 17f



HRT 17



HRT 20s



HRT 22



HRT 26



HRT 26s



HRT 30



HRT 30s



HRT 37
 HRT 37 "Take off"



HRT 37s



HRT 40



HRT 40s



HRT 43
 HRT 43 "Take off"



HRT 43s



HRT 48



HRT 55



HRT 80



B. Braun needles

Trocar needle ⊕

Round bodied needle with trocar point

3/8 circle

DRT 10



DRT 22



DRT 12



DRT 26



DRT 15



DRT 32



DRT 18



5/8 circle

FRT 17

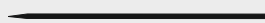


FRT 65



Straight

GRT 40



Trocar needle with micro point ⊕

Round bodied needle with trocar and micro point

3/8 circle

DRTM 8



DRTM 12



Taper needle with sternum point ▲

Round bodied needle with sternum point

1/2 circle

HRS 40



HRS 55



HRS 48



HRS 60



B. Braun needles

Taper needle with blunt point ●
Round bodied needle with blunt point

1/2 circle

HRN 30



HRN 50s



HRN 35
HRN 35 "Take off"



HRN 60



HRN 40



HRN 65



HRN 45



HRN 75



HRN 48



HRN 85



HRN 50
HRN 50 "Take off"



3/8 circle

DRN 16



DRN 64

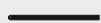


DRN 25



Straight

GRN 12



Taper needle with protection point ●
Round bodied needle with protection point

1/2 circle

HRB 26
HRB 26 "Take off"



HRB 48
HRB 48 "Take off"



HRB 37s
HRB 37s "Take off"



HRB 65



HRB 40s
HRB 40s "Take off"



B. Braun needles

Reverse cutting needle ▼

1/2 circle

HS 9



HS 15



HS 17s "Take off"



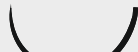
HS 17ss "Take off"



HS 18



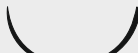
HS 21



HS 21 "Take off"



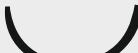
HS 23



HS 23 "Take off"



HS 23ss



HS 23ss "Take off"



HS 26



HS 26s



HS 26s "Take off"



HS 26ss



HS 26ss "Take off"



HS 30



HS 30 "Take off"



HS 37



HS 37s



HS 37ss



HS 37ss "Take off"



HS 40



HS40s

HS40s "Take off"



HS 40ss

HS 40ss "Take off"



HS 48f



HS 48

HS 48 "Take off"



HS 55



HS 60



HS 120



Reverse cutting needle ▼

3/8 circle

DS 9



DS 12



DS 16f



DS 16



DS 19f



DS 19



DS 24

DS 24 "Take off"



DS 30

DS 30 "Take off"



DS 35



DS 39



DS 45



DS 48



DS 60



DS 76



DS 90



DS 100



5/8 circle


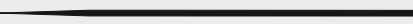
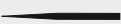
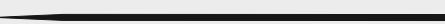



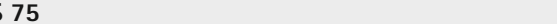

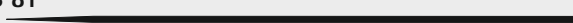
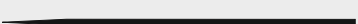

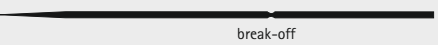
FS 25



B. Braun needles

Reverse cutting needle ▼

Straight

GS 13		GS 60	
GS 20		GS 65	
GS 25		GS 65v	
GS 40		GS 75	
GS 45		GS 81	
GS 51		GS 90v	
GS 51v			

Reverse cutting needle with precision point ▼

1/2 circle

HSMP 7



HSMP 18



HSMP 9



HSMP 23



HSMP 12



HSMP 15



3/8 circle

DSMP 6



DSMP 19



DSMP 7



DSMP 24



DSMP 9



DSMP 24s



DSMP 11



DSMP 13



DSMP 30



DSMP 15



DSMP 35



DSMP 16



DSMP 16s



DSMP 39



Progressive curved

PSMP 16



B. Braun needles

Lancet needle (micro) ▼ Micro-lancet needle									
1/2 circle									
	angle	length mm	diameter microns			angle	length mm	diameter microns	
HLm 6	160°	5,6	150μ	☺	HLm 8	175°	8,0	200μ	☺
HLm 6s	175°	6,0	200μ	☺					
3/8 circle									
	angle	length mm	diameter microns			angle	length mm	diameter microns	
DLm 4	135°	4,0	125μ	☺	DLm 6	140°	6,1	150μ	☺
DLm 5	140°	4,9	150μ	☺	DLm 6s	137°	6,6	200μ	☺
1/4 circle									
	angle	length mm	diameter microns						
VLm 6s	97°	6,6	200μ	☺					
1/8 circle									
	angle	length mm	diameter microns						
SLm 6	44°	6,2	150μ	☺					
Progressive curved									
	angle	length mm	diameter microns						
PLm 5	90° / 55°	4,8	150μ	☺					
Straight									
	angle	length mm	diameter microns						
GLm 16	-	16,0	150μ	—					

Lancet needle with micro point ▾

1/2 circle

HLM 6



HLM 8



1/4 circle

VLM 6



VLM 10



VLM 8



Sutures

Absorbable sutures

Non-absorbable sutures

Mechanical sutures

Sets

Absorbable sutures

Safil® Quick

Safil®

Novosyn®

Monosyn® Quick

Monosyn®

MonoPlus®

Monomax®

Absorbable sutures

Colour and article coding for easy box content identification



Safil® Quick+

Absorbable sutures

Description

Safil® Quick+ is a short-term absorbable braided and coated synthetic suture, made of low molecular weight polyglycolic acid. Safil® Quick+ degrades by hydrolysis and provides predictable and reliable absorption.

Properties

- Retention of 50 % knot tensile strength after 5 days
- Complete mass absorption in around 42 days

Indications

- Gynaecology / Obstetrics (e. g. episiotomies)
- Urology
- Ophthalmic surgery (e. g. conjunctiva suturing)
- Odontology (e. g. oral mucosa)
- Paediatric surgery
- Skin closure (intracutaneous, subcutaneous)
- Ligatures




Advantages

- Quick absorption profile
- Predictable and constant degradation rate
- High initial tensile strength
- Good knot security
- Excellent handling properties









Safil® Quick+

Product overview

Structure	Multifilament, braided
	
Colour	Undyed
Chemical composition	100 % polyglycolic acid
Coating	Glyconate
Origin	Synthetic
Sizes	USP 7/0 (0.5) to USP 2 (5 metric)
Type of absorption	Absorption by hydrolysis
Mass absorption	Degradation by hydrolysis in approx. 42 days
Sterilisation	Ethylene oxide

Safil® Quick+

Needle-thread combination 










Needle		Thread	USP metric								
angle	length mm	diameter microns	length cm	7/0	6/0	5/0	4/0	3/0	2/0	0	1
			colour	0.5	0.7	1	1.5	2	3	3.5	4
3/8 circle micro-lancet needle											
137°	2xDLm 6s 	200µ	45 Undyed	G1046711							
3/8 circle lancet needle with micro-point											
137°	DLM 6s 	200µ	30 Undyed	G1046621							
1/2 circle round bodied needle											
	HR 13 		70 Undyed		C1046001	C1046002					
	HR 17 		70 Undyed		C1046011	C1046012	C1046013	C1046014			
	HR 22 		45 70 90 Undyed			C1046028	C1046029	C1046024 C1046030 C1046300	C1046031 C1046301		
	HR 22s 		70 Undyed						C1046131		
	HR 26 		45 70 Undyed			C1046039	C1046040	C1046051 C1046041	C1046042	C1046043	
	HR 26s 		70 Undyed						C1046090	C1046091	C1046092

C Box of 36 units

B Box of 24 units








G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
1/2 circle round bodied needle									
 HR 30	70			C1046046	C1046047	C1046048	C1046049		
	90 Undyed				C1046732	C1046733			
 HR 30s	70						C1046053		
	Undyed								
 HR 37	70				C1046005	C1046006	C1046007		
	Undyed								
 HR 37s	45				C1046590				
	70				C1046008				
	90				C1046595	C1046596	C1046597		
	140 Undyed			C1046594	C1046591				
 HR 40s	3 x 45				B1046100				
	Undyed								
 HR 43	70							C1046559	
	90 Undyed				C1046467	C1046556	C1046557	C1046558	
 HR 43s	90								
	Undyed					C1046506	C1046507		
 HR 48	90				C1046180	C1046661	C1046663	C1046665	
	140 Undyed					C1046054			
 HR 48 "Take off"	4 x 45								
	Undyed					B1046761			

Safil® Quick+

Needle-thread combination **Easyslide**





Needle length mm	Thread length cm colour	USP metric								
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	
1/2 circle round bodied needle										
 HR 65	90					B1046095				
	150 Undyed							B1046086		
 HR 76	90				B1046073					
	150 Undyed							B1046175		
5/8 circle round bodied needle										
 FR 26	70					C1046063				
	90 Undyed							C1046083		
 FR 36	90					C1046078	C1046079			
	Undyed									
 FR 40	90				C1046018	C1046019	C1046020			
	Undyed									
Straight round bodied needle										
 GR 19	70		C1046770							
	Undyed									
 2xGR 51	45			C1046810						
	Undyed									

C Box of 36 units

B Box of 24 units






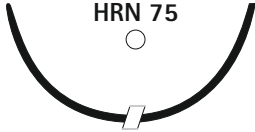


G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
1/2 circle round bodied needle with short cutting point									
	90 Undyed			C1046033					
1/2 circle round bodied needle with trocar point									
	90 Undyed				C1046353				
	90 Undyed			C1046360	C1046651	C1046652	C1046653		
	90 Undyed			C1046660	C1046664	C1046662	C1046365		

Safil® Quick+

Needle-thread combination **Easyslide**







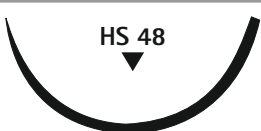




Needle length mm	Thread length cm colour	USP metric								
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	
1/2 circle round bodied needle with trocar point										
 HRT 48	90 Undyed					C1046374	C1046375			
3/8 circle round bodied needle with trocar point										
 DRT 12	70 Undyed	C1046311								
 DRT 18	70 Undyed		C1046320	C1046321						
5/8 circle round bodied needle with trocar point										
 FRT 17	70 Undyed		C1046016							
1/2 circle round needle with blunt point										
 HRN 50	90 Undyed				C1046601	C1046602				
 HRN 75	90 Undyed				B1046604	B1046605				
3/8 circle round bodied needle with blunt point										
 DRN 64	90 Undyed						B1046668			
1/2 round bodied needle with protection point										
 HRB 40s	90 Undyed	C1046576								

C Box of 36 units

B Box of 24 units











G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle reverse cutting needle									
HS 15 	45 Undyed			C1046204					
HS 18 	45 70 Undyed			C1046226	C1046227				
HS 23 	45 70 Undyed			C1046229	C1046230 C1046136	C1046231 C1046140			
HS 26 	70 Undyed				G1046141	G1046142	G1046143		
HS 37s 	70 90 Undyed					C1046240	G1046441 C1046241	G1046442 C1046242	
HS 40s 	90 Undyed						C1046586	C1046587	
HS 48 	90 Undyed						C1046525		
3/8 circle reverse cutting needle									
DS 12 	45 70 Undyed	C1046206 C1046201	C1046202	C1046203					
DS 16 	45 70 Undyed		C1046412 C1046212	C1046213	C1046214				
DS 19 	45 70 90 Undyed		C1046219 C1046419	C1046220 C1046420 C1046223	C1046221 C1046421 C1046224	C1046422			
DS 24 	45 70 90 Undyed			C1046234	C1046535 C1046235	C1046536 C1046236 C1046636	C1046237		

Safil® Quick+

Needle-thread combination **Easyslide**









Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
3/8 circle reverse cutting needle										
 DS 24 "Take off"	4 x 45 Undyed						B1046501			
 DS 30	70 90 Undyed				C1046246	C1046247	G1046245 C1046248			
 DS 35	90 Undyed						C1046257			
 DS 39	90 Undyed				C1046454	C1046455				
5/8 circle reverse cutting needle										
 FS 25	70 Undyed			C1046261	C1046262					
Straight cutting needle										
 GS 13	45 Undyed			C1046208						
 GS 25	70 Undyed				C1046293					
 GS 45	70 Undyed				C1046515					
 GS 51	70 90 Undyed			C1046271	C1046272	C1046273	C1046274		C1046779	
 GS 60	70 Undyed				C1046409	C1046410				

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle reverse cutting needle with precision point									
 HSMP 23	45 Undyed				C1046400				
3/8 circle reverse cutting needle with precision point									
 DSMP 7	45 Undyed	G1046612							
 DSMP 11	45 70 Undyed	C1046607 C1046603	C1046610						
 DSMP 13	45 Undyed	C1046618	C1046619	C1046620					
 DSMP 16	45 70 Undyed		C1046611	C1046625 C1046685	C1046686				
 DSMP 19	45 70 Undyed			C1046629 C1046528	C1046630 C1046529	C1046631 C1046530	C1046631 C1046531		
 DSMP 24	70 Undyed				C1046657	C1046658			
 DSMP 35	70 Undyed				C1046148				

Safil® Quick+

	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Pre-cut sutures									
6 threads of 45 cm	6 x 45 Undyed			C1037004	C1037005	C1037006	B1037007	B1037008	B1037009
5 threads of 70 cm	5 x 70 Undyed			C1037444	C1037445	C1037446	C1037447	B1037448	B1037449
2 threads of 70 cm	2 x 70 Undyed			C1037024	C1037025	C1037026	C1037027	C1037028	C1037029
3 threads of 45 cm	3 x 45 Undyed				C1037625	C1037626	C1037627	C1037628	
10 threads of 45 cm	10 x 45 Undyed							B1037688	
1 thread of 150 cm	1 x 150 Undyed			C1037705	C1037691	C1037706	C1037692	C1037694	C1037693
Ligature reels									
1 thread of 250 cm	1 x 250 Undyed				G1037015	G1037016	G1037017	G1037018	G1037020

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Safil®

Absorbable sutures

Description

Safil® is a mid-term absorbable braided and coated synthetic suture made of pure polyglycolic acid.

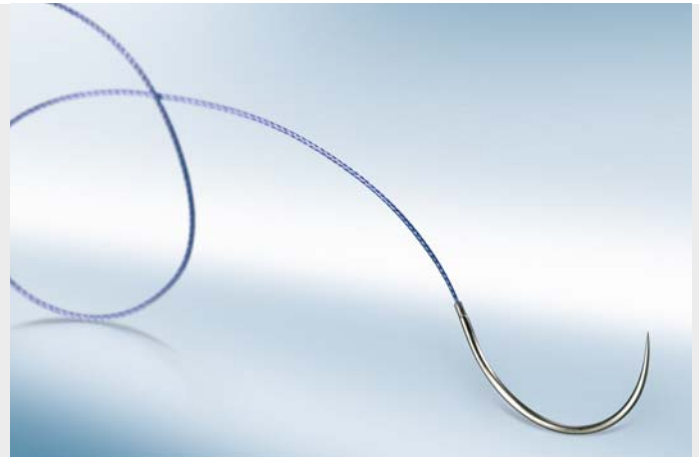
Safil® degrades by hydrolysis and provides predictable and reliable absorption.

Properties

- Retention of 60 % – 70 % knot tensile strength after 14 days
- Retention of 24 % – 42 % knot tensile strength after 21 days
- Complete mass absorption in 60 to 90 days

Indications

- Gastrointestinal surgery
- Gynaecology / Obstetrics
- Ophthalmic surgery
- Orthopaedics
- Urology
- Skin closure (intracutaneous, subcutaneous)
- Neurosurgery
- Ligatures

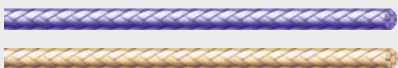


Advantages


- High tensile strength
- Excellent knotting ability
- Smooth passage through tissue
- Easy handling

Safil®

Product overview

Structure	Braided, monofilament (USP 9/0 - 10/0), multifilament
	
Colour	Violet or undyed
Chemical composition	Polyglycolic acid
Coating	Glyconate
Sizes	USP 2 - 8/0 braided USP 9/0 - 10/0 monofilament
Type of absorption	Absorption by hydrolysis
Sterilisation	Ethylene oxide

Needle-thread combination











angle	Needle		Thread length cm colour	USP metric							
	length mm	diameter microns		10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2
3/8 circle micro-needle taper point											
135°	DRm 5 	100µ	15 Violet	G1048140	G1048141						
135°	DRm 6 	140µ	15 20 Violet		G1048144	G1048145					
135°	DRm 8 	140µ	20 30 Violet			G1049616 G1048796					
1/2 circle micro-lancet needle											
160°	HLm 6 	150µ	8 30 Violet	G1048602	G1048083						
160°	2xHLm 6 	150µ	30 Violet	G1048716	G1048679	G1048715					
175°	2xHLm 6s 	200µ	30 45 Violet		G1048692		G1048768 G1048950				
175°	2xHLm 8 	200µ	45 Violet				G1048741				
3/8 circle micro-lancet needle											
140°	2xDLm 5 	150µ	30 Violet				G1048699				
140°	DLm 6 	150µ	8 10 15 30 Violet	G1048610 G1048703	G1048611		G1048615 G1048724				
			15 Undyed				G1049615				
140°	2xDLm 6 	150µ	45 30 Violet	G1048700		G1048701 G1048702					

C Box of 36 units









B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle		Thread length cm colour	USP metric								
angle	length mm		diameter microns	10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2
3/8 circle micro-lancet needle											
137°	DLM 6s 	200µ	30 Violet			G1048620	G1048621				
137°	2xDLM 6s 	200µ	30 45 Violet	G1048717	G1048714	G1048710 G1048713	G1048712 G1048711				
1/8 circle micro-lancet needle											
44°	SLm 6 	150µ	8 Violet	G1048600	G1048601						
1/2 circle lancet needle with micro-point											
160°	2xHLM 6 	240µ	45 Violet				G1048784				
175°	2xHLM 8 	330µ	45 Violet				G1048966	G1048967			
			30 45 Undyed				G1049739 G1049740				
175°	2xHLM 8 	430µ	45 Violet						G1048968		
1/4 circle lancet needle with micro-point											
90°	2xVLM 6 	200µ	45 Violet				C1048732				
90°	2xVLM 6 	240µ	30 45 Violet					G1048616 G1048737			
90°	VLM 8 	330µ	45 Violet					G1048778			
90°	2xVLM 8 	200µ	45 Undyed				G1049733				

Needle-thread combination







Needle		Thread	USP metric									
angle	length mm diameter microns		length cm colour	10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	
1/4 circle lancet needle with micro-point												
90°	2xVLM 8 	330µ	20					G1048733	G1048748			
			30					G1048992				
			45					G1048734	G1048735			
			Violet									
			30						G1049763			
			45						G1049734	G1049735		
			Undyed									
90°	2xVLM 8 	430µ	45							G1048736		
			Violet									
90°	VLM 10 	330µ	45					G1048509				
			Violet									
90°	2xVLM 10 	330µ	45					G1048738	G1048739			
			Violet									
1/2 circle round bodied needle												
	HR 6 		30				G1048149					
				45				C1048020				
			Violet									
	HR 10 		70					C1048002	C1048003			
				Violet								
	HR 13 		45					C1048449	C1048450	C1048451	C1048009	
				70					C1048006	C1048007	C1048008	
				Violet								
				45					C1049405	C1049407		
				70						C1049007	C1049008	
				Undyed								
			4 x 45						C1048718	C1048719		
			Violet									
	HR 13 		8 x 45						M1078190	M1078191		
		"Take off"		Violet								

C Box of 36 units








B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle									
HR 13ss 	70 Violet					C1048110	C1048111		
	70 90 Violet	C1048011	C1048012	C1048013 C1048853	C1048014	C1048015	C1048016		
HR 17 	70 Undyed	C1049011	C1049012	C1049013	C1049014				
	4 x 45 Undyed				B1049712				
HR 17 	Loop 30 Violet		C1048469						
	4 x 45 4 x 70 Violet			C1078713 C1078613	C1078714 C1078614				
HR 17 	4 x 45 Undyed			C1049713					
	"Take off" 8 x 45 Violet			M1078185	M1078187				
	8 x 45 Undyed			M1049020					
2xHR 17 	70 90 Violet		C1048869		C1048904				
	70 Violet			C1048113	C1048114	C1048115	C1048116	C1048118	
HR 20 	45 70 Violet			C1048795 C1048765	C1048766				
	4 x 45 Violet				C1048783				

Needle-thread combination




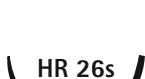
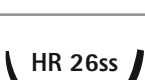




Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle									
	20				C1048069	C1048004			
	45			C1048001					
	70		C1048028	C1048029	C1048030	C1048031	C1048032		
	90				C1048877				
	120				C1048078	C1048880			
	Violet								
	70			C1049029	C1049030				
	Undyed								
	4 x 45 4 x 70 Violet			C1078729 C1078629	C1078731 C1078630	C1078730 B1078631			
	4 x 45 Undyed	"Take off"			C1049730				
	8 x 45 8 x 70 Violet			M1078177	M1078178 M1078249				
	90				C1048874	C1048875			
	70			C1048932	C1048934	C1048036	C1048037	C1048038	
	90					C1048825			
	20				C1048079	C1048018			
	45			C1048010		C1048109			
	70		C1048039	C1048040	C1048041	C1048042	C1048043	C1048044	C1048034
	90			C1048540	C1048541	C1048542	C1048543	C1048544	C1048545
	120				C1048088	C1048067			
	Violet								
	4 x 70 Violet					B1078648			
	70			C1049040	C1049041	C1049042	C1049043		
	90 Undyed				C1049541				

C Box of 36 units










B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle									
 HR 26 "Take off"	4 x 45			C1078740	C1078741	C1078742			
	4 x 70			C1078640	C1078641	C1078642			
	Violet								
	8 x 45			M1078170	M1078171	M1078172			
 2xHR 26	8 x 70			M1078237	M1078239				
	8 x 90				M1078372				
	Violet								
	70					C1048907			
 HR 26s	90				C1048901	C1048902			
	150					C1048935			
	Violet								
	45					C1048019			
 HR 26s	70				C1048089	C1048090	C1048091	C1048092	C1048093
	90				C1048589	C1048590	C1048591	C1048592	C1048613
	Violet								
	70				C1049089	C1049090	C1049091		
 HR 26s	Undyed								
	4 x 45					C1078790	B1078791	B1078792	B1078793
	4 x 70						B1078691	B1078692	B1078693
	Violet								
 HR 26s	8 x 45					M1078164	M1078165		
	Violet								
	45						C1048890		
	70						C1048791	C1048100	
 HR 26ss	90						C1048580		
	Violet								
	70			C1048035	C1048046	C1048047	C1048048	C1048049	C1048045
	90				C1048446	C1048447	C1048448	C1049449	
 HR 30	Violet								
	70						C1049047	C1049048	
	Undyed								
	4 x 45						B1078762		
 HR 30	4 x 70						B1078661	B1078662	
	Violet								
	"Take off"								

Needle-thread combination









Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle										
	70						C1048747			
	90 Violet							C1048174		
	70 Violet						C1078330	C1048548	C1048549	
	70 90 Violet							C1078716	C1048559 C1048646	
	4 x 70 Violet								B1078803	
	70 90 Violet					C1048050 C1048550	C1048051 C1048551	C1048052 C1048552	C1048053 C1048553	C1048054
	70 90 Undyed					C1049050	C1049585			
	4 x 45 4 x 70 Violet					C1078769 C1078669	C1078770 B1078670			
	90 Violet								C1048809	
	30 Violet							C1048693		
	45 70 90 Violet			C1048952 C1048953	C1048094 C1048955	C1048095 C1048595	C1048096 C1048956	C1048097 C1048597	C1048098 C1048598	
	70 90 Undyed					C1049099 C1049594	C1049095 C1049595	C1049096 C1049596	C1049097 C1049597	C1049098 C1049598

C Box of 36 units






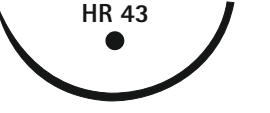
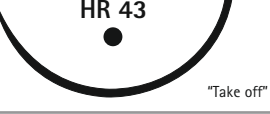



B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle									
 HR 37s "Take off"	4 x 45				C1078794	C1078795	B1078796	B1078797	B1078798
	4 x 70 Violet					B1078695	B1078696	B1078697	B1078698
 HR 37s	4 x 45				C1049794	C1049795	B1049796	B1049797	
	4 x 70 Undyed						B1049696	B1049697	
 HR 37s "Take off"	8 x 45				M1078135	M1078136	M1078137		
	8 x 45 8 x 70 Undyed				M1049130	M1049131	M1049504	M1049505	
 HR 37ss	70					C1048121	C1048122	C1048123	C1048324
	90 Violet						C1048576	C1048577	C1048655
 HR 37ss "Take off"	70						C1049122	C1049123	
	Undyed								
 HR 37ss "Take off"	4 x 45						B1078806	B1078807	
	4 x 70 Violet						B1078706		
 HR 40	70						C1048175	C1048457	
	90						C1048569	C1048571	C1048661
	100 Violet						B1048662	B1048668	B1048676
 HR 40s	70				C1048059	C1048055	C1048056	C1048057	C1048058
	90				C1048466	C1048467	C1048556	C1048557	C1048558
	120 Violet						C1048367	C1048555	
	70						C1049055	C1049058	C1049057
	90 Undyed				C1049466	C1049467	C1049559	C1049557	C1049558

Needle-thread combination

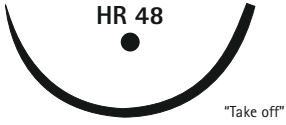










Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle										
 HR 40s "Take off"	4 x 45							B1078766	B1078767	B1078768
	4 x 70 4 x 90 Violet							B1078667	B1078668	
 HR 40s Loop	8 x 45							M1078116	M1078117	M1078118
	Violet									
 2xHR 40s	150							B1048350	C1048355	
	Violet									
 2xHR 40s	140				B1048912					
	Violet									
 HR 40ss	70								C1049856	
	Violet									
 HR 43	70							C1048946	C1048947	C1048948
	90 Violet							C1048846	C1048847	C1048848
 HR 43 "Take off"	4 x 45								B1078781	B1078782
	Violet									
 HR 43s	70								C1048169	C1048070
	Violet									
 HR 48	70				C1048099	C1048060	C1048061	C1048062	C1048063	
	90					C1048560	C1048561	C1048562	C1048563	
	100						B1048972	B1048973	B1048974	
	120 Violet								B1048779	
	70								C1049062	
 HR 48	90				C1049565		C1049561	C1049562	C1049563	
	Undyed									

C Box of 36 units









B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric									
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5		
1/2 circle round bodied needle											
	4 x 45							B1078786	B1078787	B1078788	
	4 x 70								B1078682	B1078688	
	Violet										
	4 x 45							B1049786			
	Undyed										
	8 x 45							M1078102	M1078103		
	8 x 70									M1078204	
	Violet										
	70						C1048064	C1048065	C1048066	C1048068	
	Violet										
	150								B1048380		
	Violet										
	70						B1048071		B1048072	B1048640	
	90								B1048639	B1048940	
	150										B1048940
	Violet										
	140										B1049372
	Undyed										
	4 x 70								B1078655	B1078656	
	Violet										
	2 x 70									G1049075	
	Undyed										
	150								B1048919		
	Violet										
	240								B1048929	B1048930	
	Violet										

Needle-thread combination










Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle										
 HR 70	70 Violet					B1048304	B1048305	B1048183		
 HR 76	70 Violet				B1048073 B1048578	B1048074	B1048075	B1048076 B1048579	B1048077	
	90 Undyed				B1049578					
 HR 76 Loop	150 Violet									B1048928
Needle length mm	Thread length cm colour	USP metric								
		10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	
3/8 circle round bodied needle										
 DR 6s	20 Violet			G1048958						
 DR 8	30 Violet			C1048133						
 DR 10	45 Violet				C1048101	C1048102	C1048103			
 DR 12	45 Violet						C1048134			
	60 Violet							C1048105		
	70 Violet					C1048434	C1048435	C1048436		
 2xDR 12	45 Undyed					C1049725	C1049726			

C Box of 36 units






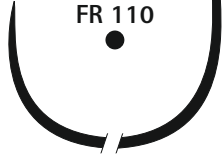
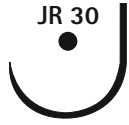

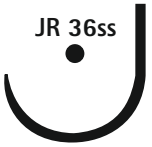
B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
3/8 circle round bodied needle									
 DR 15	70 Violet			C1048107					
 DR 18	70 Violet		C1048155	C1048150	C1048151	C1048152			
	70 Undyed				C1049151				
 DR 22	70 Violet			C1048159	C1048160	C1048161			
 DR 26	20					C1048178			
	70				C1048164	C1048165	C1048666		
	120 Violet					C1048180			
 DR 32	70				C1048170	C1048171	C1048172	C1048173	C1048168
	90 Violet					C1048566		C1048567	
 DR 48 "Take off"	4 x 45 Violet								B1048782
5/8 circle round bodied needle									
 FR 17	90 Violet				C1048982				
 FR 26	20					C1048773	C1048774		
	70				C1048414	C1048415	C1048416	C1048417	
	90					C1048775			
	120 Violet					C1048776			
	70 Undyed					C1049415			
 FR 26 Loop	30 Violet				C1048667				

Needle-thread combination

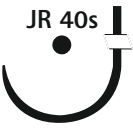





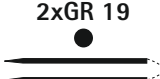



Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
5/8 circle round bodied needle									
 2xFR 26	70 90 Violet			C1048813		C1048815 C1048820	C1048817 C1048828		
 2xFR 31	70 Violet				C1048888				
 FR 36	70 Violet				C1048424	C1048425	C1048426	C1048427	
 2xFR 36	90 Violet						C1048861		
 FR 40	70 90 Violet					C1048489	C1048490 C1048866	C1048491 C1048867	
 FR 110	75 Violet						C1048777	G1048678	
Hook needle with taper point									
 JR 30	70 Violet					C1048475			
 JR 30s	70 Violet							C1048481	
 JR 36ss	70 Violet						C1048408		

C Box of 36 units



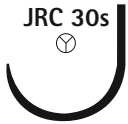
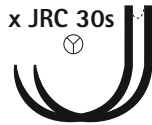


B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
Hook needle with taper point										
 JR 40s	70 Violet								C1048478	
Round bodied ski needle										
 SKR 19	20 45 120 Violet			C1048752	C1048753 C1048154	C1048754 C1048757				
 SKR 26	20 30 40 120 Violet				C1048746 C1048745 C1048744	C1048749 C1048629 C1048751	C1048781			
 SKR 26	4 x 45 Violet				C1048850	C1048851				
Straight round bodied needle										
 GR 19	20 35 70 Violet			C1048281 C1048944	C1048284 C1048285					
 GR 19	40 Violet			C1048945						
 2xGR 19	35 Violet			C1048943						
 GR 65	90 Violet					C1048994				
1/2 circle round bodied needle with short cutting point										
 HRC 22	70 120 Violet			C1048325	C1048326	C1048311				
 HRC 26	70 Violet				C1048335					

Needle-thread combination










Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
3/8 circle round bodied needle with short cutting point									
DRC 12 	70 Violet	C1048300	C1048301	C1048302					
5/8 circle round bodied needle with short cutting point									
FRC 10 	30 Violet	C1048798							
Hook curved round bodied needle with short cutting point									
JRC 30s 	70 90 120 Violet						C1048193	C1048194	C1048477 C1048476 C1048857
2 x JRC 30s 	45 60 Violet					C1048195 C1048483	C1048479 C1048482		
Progressive curved round bodied needle with short cutting point									
PRC 24 	120 Violet					C1048807			
Straight round bodied needle with short cutting point									
GRC 24 	120 Violet			C1048176					
1/2 circle round bodied needle with trocar point									
HRT 17 	70 Violet		C1048312	C1048313	C1048314	C1048315	C1048316	C1048317	
HRT 20s 	70 Violet					C1048785			
HRT 22 	70 Violet		C1048329	C1048330	C1048331	C1048332	C1048333		
	70 Undyed							C1049333	

C Box of 36 units

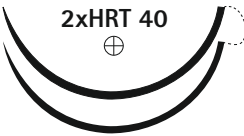








B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle with trocar point									
	70 Violet				C1048341	C1048342	C1048343	C1048344	
	70 Undyed							C1049444	
	70 Violet					C1048441	C1048554	C1048444	
	70 Violet				C1048373	C1048372	C1048371	C1048374	
	90 Violet							C1048375	
	70 90 Violet				C1048390 C1048650	C1048392 C1048651	C1048393 C1048652	C1048391 C1048653	C1048654
	90 Undyed				C1049661	C1049662	C1049663	C1049664	C1049665
	150 Violet					C1048323			
	4 x 45 Violet					C1048761			
	70 90 Violet				C1048394	C1048395 C1048532	C1048396 C1048533	C1048397 C1048534	C1048535
	70 Undyed						C1049395		C1049398
	70 90 Violet					C1048023 C1048985	C1048024	C1048525	
	70 90 Undyed						C1049400 C1049673		

Needle-thread combination









Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle with trocar point									
 2xHRT 40	70								C1048780
	Violet								
 HRT 40s	70					C1048412	C1048413	C1048484	C1048492
	Violet								
 HRT 43	70					C1048349	C1048351		
	90					C1048997	C1048471	C1048472	
 HRT 43 Loop	150						C1048346	B1048347	
	Violet								
 HRT 43s	70					C1048352		C1048474	C1048353
	90							C1048470	C1048473
 HRT 43s Loop	150						B1048356	B1048357	
	Violet								
 HRT 48	70					C1048400	C1048401	C1048402	C1048403
	90					C1048500	C1048501	C1048502	C1048503
 HRT 48 Loop	150							B1048370	B1048918
	Violet								
 HRT 80	90							G1048788	
	Violet								

C Box of 36 units







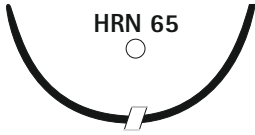

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
3/8 circle round bodied needle with trocar point									
DRT 12 	70 Violet	C1048306	C1048307						
DRT 18 	70 Violet		C1048319	C1048320	C1048321				
	70 Undyed			C1049320					
DRT 22 	70 Violet			C1048376	C1048377				
DRT 26 	70 Violet				C1048382	C1048383			
DRT 32 	70 Violet				C1048385	C1048386	C1048387	C1048309	C1048389
5/8 circle round bodied needle with trocar point									
FRT 17 	70 Undyed			C1049755					
1/2 circle round bodied needle with blunt point									
HRN 30 	70 Violet				C1048638	C1048604			
HRN 35 	70 90 Violet					C1048517 C1048617	C1048518 C1048618	C1048619	
	70 90 Undyed				C1049550	C1049549			

Needle-thread combination






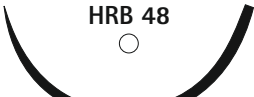
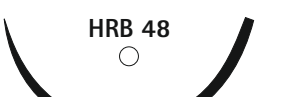
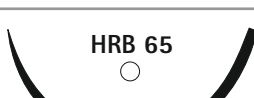
Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle with blunt point										
 HRN 40	70							C1048634	C1048635	
	90 Violet							C1048636	C1048637	
 HRN 45	90								C1048647	C1048648
	Violet									
 HRN 50	90							C1048663	C1048664	C1048665
	Violet									
 HRN 50	90								C1049705	
	Undyed									
 HRN 50 "Take off"	4 x 45							B1049703		
	Undyed									
 HRN 50s	90								C1048228	C1048229
	Violet									
 HRN 65	90								B1048674	B1048675
	Violet									
3/8 circle round bodied needle with blunt point										
 DRN 64	70								B1048322	
	90							B1048607	B1048605	B1048614
	Violet									

C Box of 36 units













B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle with protection point										
	90 Undyed							C1049822	C1049823	
	8 x 45 Undyed				M1049828					
	8 x 45 Undyed					M1049819	M1049820	M1049821		
	90 Violet							C1048987	C1048988	
	8 x 45 Violet								M1078296	
	90 Undyed							C1049778	C1049772	
	8 x 45 Undyed								M1049771	
	90 Violet								B1078306	B1048872

Needle-thread combination







Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle reverse cutting needle									
	45		C1048203	C1048204					
	70 Violet		C1048233	C1048250					
	45		C1049203	C1049204					
	Undyed								
	70							C1048205	
	Violet								
	45			C1048225	C1048226				
	Violet								
	45			C1049225					
	70 Undyed				C1049425				
	45				C1048230				
	70 Violet				C1048430	C1048431			C1048429
	45				C1049230				
	70 Undyed				C1049430	C1049431	C1049432	C1049433	
	4 x 45				C1078836				
	Violet								
	70								C1048840
	90 Violet								C1048844
	70					C1049435	C1049437	C1049438	
	Undyed								
	3 x 45								B1078899
	Violet								
	3 x 45							B1049674	
	Undyed								

C Box of 36 units









B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle reverse cutting needle									
	70 Violet				C1048241	C1048242	C1048243	C1048244	
	70 Undyed				C1049440	C1049441	C1049084	C1049293	
	70 Violet				C1048641	C1048290	C1048291	C1048292	
	70 Undyed				C1049289	C1049290			
	4 x 45 Violet					C1078895	B1078906		
	4 x 45 Undyed	"Take off"			C1049894	C1049895			
	70 Violet								C1048084
	70 Undyed							C1049083	
	70 Violet					C1048251	C1048252	C1048253	
	70 Undyed					C1049450	C1049451		
	70 90 Violet				C1048494	C1048495	C1048976 C1048496	C1048977 C1048497	C1048978 C1048498
	70 90 Undyed						C1049461 C1049294	C1049462 C1049295	C1049296 C1049297

Needle-thread combination










Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle reverse cutting needle									
	70				C1048293	C1048294	C1048296	C1048297	C1048298
	90 Violet			C1048593		C1048596	C1048582	C1048583	C1048599
	70 Violet					C1048085	C1048086	C1048087	
	70 Undyed					C1049085	C1049088	C1049087	
	4 x 45 Violet						B1078700		
	70						C1048805	C1048806	
	90 Violet					C1048485	C1048486	C1048487	C1048488
	70					C1048267	C1048268	C1048269	C1048770
	90 Violet					C1048585	C1048586	C1048587	C1048588
	70 Undyed						C1049199	C1049094	
	4 x 45 Undyed							B1049912	
	90 Violet							C1048464	
	70					C1048691	C1048261	C1048262	C1048263
	90 Violet						C1048461	C1048462	C1048463
	90 Undyed						C1049362	C1049363	C1049364

C Box of 36 units







B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle reverse cutting needle									
 HS 55	70								C1048227
	Violet								
3/8 circle reverse cutting needle									
 DS 9	45			C1048202					
	Violet								
 DS 12	45			C1048206	C1048207	C1048208			
	70			C1048506	C1048507	C1048508			
	Violet								
	45			C1049206	C1049207	C1049208			
 2xDS 12	70			C1049330	C1049331				
	Undyed								
 DS 16	45				C1048769				
	Violet								
	30				C1049707				
	Undyed								
 DS 19	45		C1048212	C1048213	C1048214	C1048215			
	70		C1048512	C1048513	C1048514				
	Violet								
	45		C1049212	C1049213	C1049214				
 DS 19	70			C1049303					
	Undyed								
	45		C1048219	C1048220	C1048221				
	70		C1048419	C1048420	C1048421	C1048422			
 DS 19	Violet								
	45		C1049219	C1049220	C1049221				
 DS 19	70		C1049419	C1049420	C1049421	C1049422			
	Undyed								

Needle-thread combination










Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
3/8 circle reverse cutting needle									
	45			C1048536					
	70 150 Violet		C1048232	C1048234	C1048235	C1048236 C1048537	C1048237		
	45				C1049535				
	70 90 Undyed			C1049234	C1049235 C1049240	C1049236			
	70 Violet				C1048246	C1048247	C1048248	C1048249	C1048245
	70 90 Undyed				C1049246	C1049247	C1049248 C1049148	C1049244	
	70 Violet					C1048256	C1048257	C1048258	C1048259
	70 Undyed				C1049255	C1049256			
	70						C1048282		
	90 Violet						C1048239		
	70 Violet							C1048453	
	70 Undyed								C1049282
5/8 circle reverse cutting needle									
	70 Violet				C1048398				

C Box of 36 units









B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Straight cutting needle									
GS 13 	45 Violet			C1048211					
2xGS 13 	45 Violet			C1048920					
GS 45 	45 Undyed			C1049512					
GS 51 	70 Violet				C1048272	C1048274	C1048275		
	70 Undyed			C1049271	C1049272	C1049273			
2xGS 51 	45 Undyed						C1048933		
GS 60 	70 Violet			C1048264	C1048265	C1048266			
	45 70 Undyed			C1049280	C1049465 C1049265	C1049267			
GS 75 	70 Violet						G1048923	G1048924	
Needle length mm	Thread length cm colour	USP metric							
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
1/2 circle reverse cutting needle with precision point									
HSMP 9 	45 Undyed			C1049611	C1049591	G1049593			
2xHSMP 9 	35 Violet	C1048673							

Needle-thread combination








Needle length mm	Thread length cm colour	USP metric							
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
1/2 circle reverse cutting needle with precision point									
 HSMP 12	45 Undyed				G1049632	G1049633			
 HSMP 15	45 Undyed				G1049635	C1049636			
3/8 circle reverse cutting needle with precision point									
 2xDSMP 6	20 Undyed	C1049701							
 DSMP 7	70 Violet		C1048407						
 2xDSMP 7	45 Undyed		C1049708	C1049709					
 DSMP 11	45 70 Violet			C1048685 C1048688					
	45 Undyed		C1049702	C1049607	C1049608				
 DSMP 13	45 70 Undyed			C1049618	C1049619 C1048723	C1049620			
	45 Violet				C1048162				
 2xDSMP 13	45 Undyed				C1049715	C1049716			

C Box of 36 units

B Box of 24 units







G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
3/8 circle reverse cutting needle with precision point									
DSMP 16 	45 Violet			C1048530	C1048538			C1048529	
	45 70 Undyed			C1049526	C1049525 C1049325	C1049524 C1049326		C1049327	
DSMP 19 	45 70 Violet				C1048528	C1048823		G1048631 C1048824	
	45 70 Undyed				C1049528	C1049529	C1049629 C1049530	C1049630 C1049531	
DSMP 24 	70 Violet							C1048864	C1048865
	45 70 Undyed					C1049655 C1049555	C1049656 C1049556	C1049657 C1049554	
DSMP 30 	70 Violet							C1048669	C1048670
DSMP 35 	70 Violet								C1048690
DSMP 39 	70 Violet							C1048659	C1048660
	70 Undyed							C1049659	C1049660
Progressive curved. Reverse cutting needle with micro-point									
PSMP 16 	45 Undyed					C1049602			

Needle-thread combination



		Thread length cm colour	USP metric						
			6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
1/2 circle round bodied needle									
	<p>HR 17b</p>  <p>"Take off"</p>	8 x 45 Violet					M1048238		
	<p>HR 22b</p>  <p>"Take off"</p>	8 x 45 Violet			M1048273	M1048308			
	<p>HR 26b</p>  <p>"Take off"</p>	8 x 45 Violet				M1048519			
		8 x 70 Violet				M1048539			

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Pre-cut sutures									
3 threads of 45 cm	3 x 45 Violet	C1038622	C1038623	C1038624	C1038625	C1038626	C1038627	C1038629	C1038630
	3 x 45 Undyed		C1039623	C1039624	C1039625	C1039626	C1039627	C1039629	C1039630
6 threads of 45 cm	6 x 45 Violet		C1038643	C1038644	C1038645	C1038646	B1038647	B1038649	B1038650
	6 x 45 Undyed			C1039644	C1039645	C1039646	B1039647	B1039649	B1039650
12 threads of 45 cm	12 x 45 Violet			C1038664	C1038665	C1038666	B1038667	B1038669	B1038670
	12 x 45 Undyed			C1039664	C1039665	C1039666	B1039667	B1039669	B1039670
10 threads of 60 cm	10 x 60 Violet		C1038180	C1038181	C1038182	C1038183	B1038567	B1038568	
2 threads of 70 cm	2 x 70 Violet			C1038404	C1038405	C1038406	C1038407	C1038409	C1038410
	2 x 70 Undyed				C1039405	C1039406	C1039407		C1039410
5 threads of 70 cm	5 x 70 Violet			C1038444	C1038445	C1038446	C1038447	B1038449	B1038450
	5 x 70 Undyed			C1039444	C1039445	C1039446	C1039447	B1039449	B1039450

	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Pre-cut sutures									
1 thread of 140 cm	140 Violet		C1038203	C1038204	C1038205	C1038207	C1038208	C1038209	C1038210
	140 Undyed				C1039205	C1039207	C1039208		
1 thread of 150 cm	150 Violet			B1038704	B1038705	B1038706	B1038707	B1038709	B1038708
Ligature reels									
1 thread of 250 cm	250 Violet				G1038715	G1038716	G1038717	G1038719	G1038720
	250 Undyed				G1039715	G1039716	G1039717		

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Novosyn®

Absorbable sutures

Description

Novosyn® is a mid-term absorbable braided and coated synthetic suture made of poly (glycolide-co-l-lactid 90/10).

Novosyn® degrades by hydrolysis and provides a predictable and reliable absorption.

Properties

- Retention of 40 % - 50 % knot tensile strength after 21 days
- Complete mass absorption in 56 to 70 days

Indications

- Gastrointestinal surgery
- Gynaecology / Obstetrics
- Orthopaedics
- Ophthalmic surgery
- Urology
- Skin closure (intracutaneous, subcutaneous)
- Ligatures

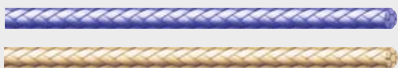


Advantages

- Smooth knot run-down
- Gentle knot repositioning
- High knot holding capacity
- Minimized inflammatory reaction

Novosyn®

Product overview

Structure	Multifilament, braided
	
Colour	Violet or undyed
Chemical composition	Poly(glycolide-co-l-lactid 90 / 10)
Coating	Poly(glycolide-co-l-lactid 35 / 65) + calcium stearate
Origen	Synthetic
Sizes	USP 2 (metric 5) - USP 8 / 0 (metric 0.4)
Type of absorption	Hydrolysis, complete mass absorption in 56 to 70 days
Sterilisation	Ethylene oxide










Needle		Thread	USP metric									
angle	length mm diameter microns		length cm colour	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	
3/8 circle micro-needle taper point												
135°	DRm 6 	140µ	20	G0068145								
			35	G0068146								
			Violet									
135°	DRm 8 	140µ	30	G0068796								
			Violet									
1/2 circle micro-lancet needle												
160°	2xHLM 6 	150µ	30	G0068715								
			Violet									
3/8 circle micro-lancet needle												
140°	2xDLm 5 	150µ	30	G0068699								
			Violet									
140°	DLM 6 	150µ	15	G0068615	G0068609							
			20									
			30	G0068724								
			Violet									
140°	2xDLm 6 	150µ	30	G0068702								
			45	G0068701								
			Violet									
137°	DLM 6s 	200µ	30	G0068620	G0068621							
			Violet									
137°	2xDLm 6s 	200µ	30	G0068710	G0068712							
			45	G0068713	G0068711							
			Violet									
1/4 circle micro-lancet needle												
97°	VLm 6s 	200µ	45		G0068612							
			Violet									
1/2 circle lancet needle with micro-point												
175°	2xHLM 8 	200µ	30	G0068740								
			45		G0068741							
			30			G0069739						
			45			G0069740						
			Undyed									











C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle		Thread	USP metric									
angle	length mm		diameter microns	length cm	8/0	7/0	6/0	5/0	4/0	3/0	2/0	0
			colour	0.4	0.5	0.7	1	1.5	2	3	3.5	
1/2 circle lancet needle with micro-point												
180°	2xHLM 8 	330µ	45 Violet				G0068966	G0068967				
180°	2xHLM 8 	430µ	45 Violet					G0068968				
1/4 circle lancet needle with micro-point												
90°	2xVLM 6 	240µ	30 45 Violet				G0068616 G0068737					
90°	VLM 8 	330µ	45 70 Violet				G0068778 G0068299					
90°	2xVLM 8 	330µ	20 45 Violet				G0068733 G0068734	G0068748 G0068735				
90°	2xVLM 8 	430µ	45 Undyed				G0069734	G0069735				
90°	VLM 10 	330µ	45 Violet				G0068718					
90°	2xVLM 10 	330µ	45 Violet				G0068738	G0068739				
90°			45 Undyed				G0069738					
1/2 circle round bodied needle												
	HR 10 		70 Violet				C0068002	C0068003				
			45 Undyed				C0069802					







Needle		Thread	USP metric								
angle	length mm diameter microns		length cm colour	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
1/2 circle round bodied needle											
		45				C0068449	C0068450	C0068451			
		70				C0068006	C0068007	C0068008	C0068009		
		90						C0068452			
		Violet									
		45				C0069405	C0069407	C0069408			
		70					C0069007	C0069008			
		4 x 45					C0088718	C0088719			
		Violet									
	"Take off"	8 x 45					M0088190	M0088191			
		Violet									
		70						C0068910			
		45							C0088320	C0088321	C0088322
		70							C0068120	C0068110	C0068111
		Violet									
		70								C0069758	
		Undyed									
		45						C0088340			
		70				C0068011	C0068012	C0068013	C0068014	C0068015	C0068016
		90						C0068853	C0068854		
		Violet									
		70				C0069011	C0069012	C0069013	C0069014	C0069015	
		Undyed									
	Loop	30					C0068469				
		4 x 45							C0088717	B0088712	
		Violet									
		4 x 45							B0069712		
		Undyed									






C Box of 36 units





B Box of 24 units







G Box of 12 units

M Box of 6 units

Needle			Thread length cm colour	USP metric							
angle	length mm	diameter microns		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
1/2 circle round bodied needle											
	"Take off"	4 x 45					C0088713	C0088714			
		4 x 70					C0088613	C0088614			
		Violet									
		4 x 45					C0089713				
		4 x 70					C0089613	C0089612			
		Undyed									
		8 x 45					M0088185	M0088187	M0088188		
		8 x 70					M0088255	M0088256			
		Violet									
		8 x 45					M0089020	M0069021			
		8 x 70					M0089190	M0089191			
		Undyed									
		70						C0068904			
		90			C0068869	C0068870					
Violet											
		45						C0088335			
		70					C0068113	C0068114	C0068115	C0068116	C0068118
Violet											
		45					C0068795				
		70					C0068765	C0068766	C0068767		
		90						C0068763			
Violet											
		4 x 45						C0088783			
"Take off"		Violet									
		20						C0068069	C0068004		
		45					C0068001	C0088325	C0068005		
		70			C0068028	C0068029	C0068030	C0068031	C0068032		
	Violet										
		70					C0069029	C0069030	C0069031	C0069032	C0069033
	Undyed										
		90						C0068877	C0068881	C0068876	
	120						C0068078	C0068880			
Violet											
	90							C0069720			
Undyed											

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle									
	4 x 45 Violet		C0088621	C0088622		C0088624			
	4 x 45 Undyed		B0069728						
	4 x 45 4 x 70 4 x 90 Violet		B0088618	C0088729 C0088629	C0088730 C0088630	C0088731 B0088631	B0088632	B0088633	
	"Take off" 4 x 45 Undyed			C0089730	C0089731				
	8 x 45 8 x 70 8 x 90 Violet		M0088175 M0088272	M0088177 M0088248	M0088178 M0088249	M0088180 M0088250	M0088251	M0088252	
	"Take off" 8 x 45 Undyed		M0089110		M0089112	M0089113			
	20 90 120 Violet			C0068801 C0068938	C0068802 C0068874	C0068875			
	30 70 90 Violet			C0068932	C0068934	C0068106 C0068036 C0068825	C0068037	C0068038	
	70 Undyed				C0069934				

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle									
 HR 22s "Take off"	4 x 70 Violet								B0088604
	8 x 70 Violet								M0088245
 2xHR 22s	70 Violet							C0068937	
 HR 22ss	70 Violet								C0068033
	4 x 45 Violet								B0068129
 HR 26	20 45 70 Violet			C0068010 C0068040	C0068079 C0068041	C0068018 C0068109 C0068042	C0068043	C0068044	C0068034
	90 120 140 Violet			C0068540	C0068541 C0068088	C0068542 C0068067 C0068546	C0068543	C0068544	C0068545
	70 90 Undyed			C0069040	C0069041 C0069541	C0069042 C0069540	C0069043 C0069543	C0069044	
	4 x 70 Violet					C0088647	C0088648	B0088649	









Needle length mm	Thread length cm colour	USP metric								
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	
1/2 circle round bodied needle										
	4 x 45		C0088740	C0088741	C0088742					
	4 x 70		C0088640	C0088641	C0088642	B0088643				
	4 x 90		B0088636							
	Violet									
"Take off"	4 x 45			C0089641	C0089642					
	4 x 70			C0089741	C0089742	C0089743				
	Undyed									
	8 x 45		M0088170	M0088171	M0088172					
Violet	8 x 70		M0088237	M0088239	M0088241	M0088243				
	8 x 90		M0088271							
	Undyed									
8 x 45				M0089116	M0089117	M0089118				
	8 x 70			M0089499	M0089500					
	70					C0068907				
	90		C0068900	C0068901	C0068902	C0068903	C0068905	B0068906		
	Violet									
	45				C0068019					
	70			C0068089	C0068090	C0068091	C0068092	C0068093		
	90			C0068589	C0068590	C0068591	C0068592	C0068613		
	Violet									
70				C0069089	C0069090	C0069091	C0069092			
	Undyed									
4 x 70						B0068135				
	Violet									
	4 x 45			C0088789	C0088790	B0088791	B0088792	B0088793		
	4 x 70					B0088691	B0088692	B0088693		
	Violet									
	8 x 45			M0088163	M0088164	M0088165	M0088166	M0088167		
8 x 70						M0088232	M0088233	M0088234		
	Violet									
	90						C0068915			
	Violet									
	45					C0068890				
	70				C0068790	C0068791	C0068100	C0068793		
	90						C0068580	C0068642		
	Violet									






C Box of 36 units








B Box of 24 units









G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric								
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	
1/2 circle round bodied needle										
 HR 26ss "Take off"	4 x 45 4 x 70 Violet				C0088810			B0088015		
	8 x 45 Violet				M0088160					
 HR 30	70 90 Violet	C0068035 C0068445	C0068046 C0068446	C0068047 C0068447	C0068048 C0068448	C0068049 C0068645	C0068045			
	70 90 Undyed		C0069046	C0069047	C0069048 C0069448	C0069049 C0069449				
 HR 30 "Take off"	4 x 45 4 x 70 Violet			C0088660	B0088761 B0088661	B0088762 B0088662	B0088763			
	8 x 45 8 x 70 Violet		M0088228	M0088155 M0088229	M0088156 M0088230	M0088157				
 2xHR 30	70 90 Violet				C0068747	C0068174				
 HR 30s	70 90 Violet				C0068547	C0068548	C0068549 C0068633			
	4 x 45 Violet						B0088863			
 HR 30s "Take off"	8 x 45 Violet						M0088152			
 HR 30ss	70 90 Violet					C0088716	C0068559 C0068646	C0068649		
 HR 30ss "Take off"	4 x 45 4 x 70 Violet				C0088801 B0088711	B0088686 B0088715	B0088803			
	8 x 45 8 x 70 Violet				M0088150 M0088223	M0088151 M0088224	M0088225			

Needle length mm	Thread length cm colour	USP metric								
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	
1/2 circle round bodied needle										
	45					C0068017				
	70			C0068050	C0068051	C0068052	C0068053	C0068054		
	90			C0068550	C0068551	C0068552	C0068553			
	Violet									
	70			C0069050	C0069051	C0069052				
	90				C0069585					
	Undyed									
		4 x 45			C0088769	C0088770				
4 x 70				C0088669	B0088670	B0088671				
	Violet									
		8 x 45			M0088145	M0088146				
8 x 70				M0088218	M0088219	M0088220				
	Violet									
		90			C0068762					
Violet										
	45					C0068021				
	70		C0068952	C0068094	C0068095	C0068096	C0068097	C0068098		
	90		C0068953	C0068955	C0068595	C0068956	C0068597	C0068598		
	140					C0068126				
	150				C0068584			B0068125		
	Violet									
	70			C0069099	C0069095	C0069096	C0069097	C0069098		
	90			C0069594	C0069595	C0069596	C0069597	C0069598		
	140			C0069411				C0069498		
	Undyed									
	4 x 45						B0088897			
	4 x 90						B0088652	B0088653		
	Violet									
		30					C0068693			
Violet										

Needle length mm	Thread length cm colour	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
1/2 circle round bodied needle									
 HR 37s "Take off"	4 x 45			C0088794	C0088795	B0088796	B0088797	B0088798	
	4 x 70				B0088695	C0088696	B0088697	B0088698	
	4 x 90							B0088657	
	Violet								
	4 x 45			C0089794	C0089795	B0089796	B0089797		
	4 x 70				B0089696	B0089697			
	Undyed								
	8 x 45			M0088135	M0088136	M0088137	M0088139	M0088140	
	8 x 70				M0088212	M0088213	M0088214	M0088215	
	8 x 90					M0088266			
	Violet								
	8 x 45			M0089130	M0089131	M0089132	M0089133		
8 x 70					M0089504	M0089505			
Undyed									
 2xHR 37s "Take off"	2 x 90				C0068727				
	Violet								
 HR 37ss "Take off"	70				C0068121	C0068122	C0068123		
	90					C0068576	C0068577	C0068655	
	Violet								
 HR 37ss "Take off"	70					C0069122	C0069123	C0069124	
	Undyed								
	4 x 70						B0068132		
 HR 37ss "Take off"	4 x 45					B0088806	B0088807		
	4 x 70				C0088805	B0088706	B0088707		
 HR 37ss "Take off"	Violet								
	8 x 45				M0088130	M0088131	M0088132		
	8 x 70					M0088210			
 HR 40 "Take off"	70				C0068381	C0068175	C0068457		
	90					C0068569	C0068571	C0068661	
	Violet								



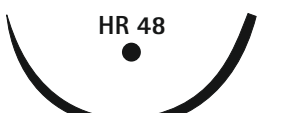
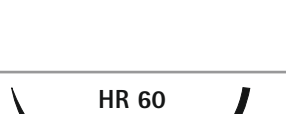




Needle length mm	Thread length cm colour	USP metric								
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	
1/2 circle round bodied needle										
	70			C0068059	C0068055	C0068056	C0068057	C0068058		
	90			C0068466	C0068467	C0068556	C0068557	C0068558		
	120					C0068367	C0068555			
	Violet									
	70				C0069055		C0069057	C0069058		
	90			C0069466	C0069467	C0069559	C0069557	C0069558		
	Undyed									
	4 x 45				C0088765	B0088766	B0088767	B0088768		
	4 x 70					B0088771	B0088667	B0088668		
	4 x 90					B0088680				
	Violet									
	8 x 45				M0088115	M0088116	M0088117	M0088118		
	8 x 70						M0088207	M0088208		
	8 x 90					M0088263	M0088267	M0088268		
	Violet									
	140			B0068912						
	Violet									
	150					C0068355	B0068350			
	Violet									
	70					C0068946	C0068947	C0068948		
	90					C0068846	C0068847	C0068848		
	Violet									
	70				C0069945	C0069946	C0069947	C0069948		
	90						C0069847	C0069848		
	Undyed									
	4 x 45						B0088781	B0088782		
	Violet									
	8 x 45						M0088110	M0088111		
	Violet									
	70						C0068169	C0068070		

C Box of 36 units






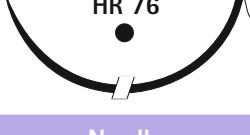



B Box of 24 units









G Box of 12 units









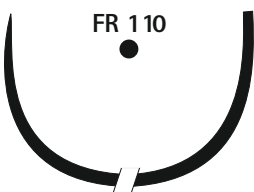
M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
1/2 circle round bodied needle									
 HR 48	70			C0068099	C0068060	C0068061	C0068062	C0068063	
	90				C0068560	C0068561	C0068562	C0068563	
	120			C0068564				B0068779	
 HR 48 Loop	Violet								
	70			C0069059	C0069060	C0069061	C0069062	C0069063	
	90			C0069565	C0069564	C0069563	C0069562	C0069561	
 HR 48 "Take off"	4 x 70						B0088682		
	Violet								
	150					B0068158	B0068119		
 HR 48 "Take off"	4 x 45			B0088784	B0088785	B0088786	B0088787	B0088788	
	4 x 70						B0088687	B0088688	
	4 x 90							B0088020	
 HR 48 "Take off"	Violet								
	4 x 45			B0089065	B0089066	B0089786			
	Undyed								
 HR 60	8 x 45			M0088100	M0088101	M0088102	M0088103	M0088104	
	8 x 70						M0088203	M0088204	
	Violet								
 HR 60 Loop	8 x 45			M0089138	M0089139	M0089140			
	Undyed								
	70				C0068064	B0068065	C0068066	C0068068	
 HR 60 Loop	Violet								
	150				C0068454	B0068455	B0068380		
	Violet								
 HR 65	70				C0068071		B0068072		
	90						B0068639	B0068640	
	150						B0068939	B0068940	
 HR 65	Violet								

Needle-thread combination

Needle length mm	Thread length cm colour	USP metric								
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	
1/2 circle round bodied needle										
 HR 65 "Take off"	4 x 70 Violet								B0088655	B0088656
 2xHR 65	70 Violet									B0068680
 HR 65 Loop	150 240 Violet								B0068919 B0068929	B0068930
 HR 70	70 Violet								B0068183	
 HR 76	70 90 150 Violet			B0068073 B0068578	B0068074	B0068075	B0068076 B0068579	B0068077 B0068931		
 HR 76 Loop	150 Violet								B0068927	B0068928
Needle length mm	Thread length cm colour	USP metric								
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	
3/8 circle round bodied needle										
 DR 8	30 Violet	C0068133		C0068433						
 DR 10	45 Violet		C0068101	C0068102	C0068103					
 DR 12	45 60 70 Violet				C0068134					
				C0068434	C0068435	C0068436				

Needle length mm	Thread length cm colour	USP metric							
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
3/8 circle round bodied needle									
 DR 15	45						C0068137		
	70 Violet						C0068107		
 DR 18	45						C0068138		
	70 Violet				C0068155		C0068150	C0068151	
 DR 22	70							C0069151	
	120 Violet						C0068159	C0068166 C0068160 C0068156	C0068167 C0068161 C0068157
 DR 26	20							C0068177	C0068178
	70 120 Violet							C0068164 C0068179	C0068165 C0068180
Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
3/8 circle round bodied needle									
 DR 32	70				C0068170	C0068171	C0068172	C0068173	C0068168
	90 Violet				C0068565	C0068566	C0068567	C0068568	
 DR 48	90						C0068606		
	Violet								
 DR 48 <small>"Take off"</small>	4 x 45								B0088010
	Violet								
5/8 circle round bodied needle									
 FR 10	30	C0068798							
	Violet								

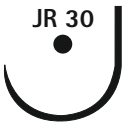


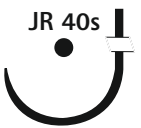


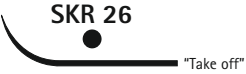
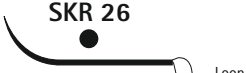

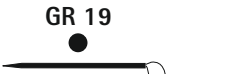
Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
5/8 circle round bodied needle									
	20								
	70				C0068414	C0068773	C0068774	C0068416	C0068417
	90					C0068775	C0068810		
	120					C0068776	C0068777		
	Violet								
	45							C0069483	
	70					C0069415			
Undyed									
	30					C0068667			
	Violet								
	70			C0068813	C0068818	C0068815	C0068817		
	90					C0068820	C0068828		
Violet									
	70							C0068428	
	Violet								
	70				C0068424	C0068425	C0068426	C0068427	
	90						C0068860		
	Violet								
	70					C0068990			
	90						C0068861		
	Violet								
	70					C0068489	C0068490	C0068491	
	90						C0068866	C0068867	
	Violet								
	90						C0068886		
	Violet								
	75						G0068677	G0068678	
	Violet								

C Box of 36 units









B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Hook needle with taper point									
 JR 30	70					C0068475			
	Violet								
 JR 30s	70							C0068481	
	Violet								
 JR 36ss	70					C0068410	C0068408		
	Violet								
 JR 40s	70							C0068478	
	120 Violet						C0068197		
Round bodied ski needle									
 SKR 19	20			C0068752	C0068753	C0068154			
	45				C0068154				
	120			C0068755	C0068756	C0068757			
	Violet								
 SKR 26	20				C0068746	C0068749			
	30				C0068629				
	120				C0068744	C0068751	C0068781		
	Violet								
 SKR 26 "Take off"	4 x 45				C0088850	C0088851			
	Violet								
 SKR 26 Loop	40				C0068745				
	Violet								
Straight round bodied needle									
 GR 19	20			C0068281	C0068284				
	35			C0068944					
	70				C0068285				
	Violet								
 GR 19 Loop	40			C0068945					
	Violet								

Needle-thread combination










Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Straight round bodied needle									
2xGR 19 	35 Violet			C0068943					
GR 35 	90 Violet					C0068184			
GR 51 	90 Violet					C0068185			
GR 65 	90 Violet					C0068994			
1/2 circle round bodied needle with short cutting point									
HRC 17 	70 90 Violet		C0068312	C0068313 C0068083	C0068314	C0068315	C0068316	C0068081	
	45 70 Undyed		C0069309 C0069339	C0069310 C0069340	C0069341				
HRC 17 	4 x 45 Violet					C0088025			
	8 x 45 Violet					M0088030			
HRC 20s 	70 Violet					C0068785			
HRC 22 	20 70 120 Violet			C0068325	C0068327 C0068326 C0068310	C0068328 C0068331 C0068311	C0068332	C0068333	
	70 Undyed					C0069474		C0069475	




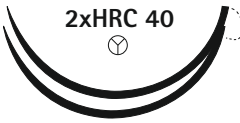






C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle with short cutting point									
	20								
	70 120 Violet			C0068694	C0068334 C0068335 C0068339	C0068337 C0068336 C0068345	C0068343	C0068698	
	70 90 Undyed				C0069778	C0069763 C0069779			
	4 x 45 4 x 70 Violet				C0088035 B0088065	C0088036 C0088066	B0088075		
	8 x 45 8 x 70 Violet	"Take off"				M0088037	M0088275		
	70 Violet					C0068441	C0068721	C0068444	
	70 Undyed							C0069444	
		70 Violet				C0068373	C0068372	C0068371	C0068374
	70 90 Violet						C0068716	C0068375	
		70 90 Violet				C0068139	C0068360 C0068140	C0068362 C0068141	C0068363 C0068142
70 90 Undyed						C0069864	C0069812 C0069865	C0069866	C0069867
	150 Violet	Loop					C0068187		
	4 x 45 4 x 90 Violet	"Take off"			B0088290	C0088285	B0088286		









Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle with short cutting point									
 HRC 37s	70				C0068841	C0068842	C0068843	C0068844	
	90 Violet				C0068893	C0068894	C0068895	C0068896	C0068897
 HRC 40	70					C0069875	C0069876	C0069877	C0069878
	90 Undyed				C0069884		C0069886	C0069887	
 HRC 40s	70					C0068908	C0068909		
	90 Violet					C0068949		C0068951	
 2xHRC 40	70					C0069920			
	90 Undyed						C0069903		
 HRC 40s	70					C0068958	C0068959	C0068960	C0068961
	90 Violet								
 HRC 43	70				C0068970	C0068971	C0068972		
	90 Violet					C0068976	C0068977	C0068978	
 HRC 43	70							C0069966	
	90 Undyed								
 HRC 43s	70						C0068872	B0068873	
	150 Violet								
 HRC 43s	70					C0068625		C0068627	C0068628
	90 Violet							C0068982	C0068983
 HRC 43s	140								C0068883
	90 Undyed						C0069989		

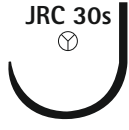
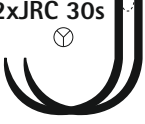






C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle with short cutting point									
 <p>HRC 43s "Take off"</p>	4 x 45 Violet					C0088300			
	150 Violet						B0068601	B0068602	
 <p>HRC 43s Loop</p>	150 Undyed							B0069972	
	70 90 150 Violet				C0068570	C0068572	C0068962 C0068963 C0068964 C0068965	C0068573 C0068574 C0068575	C0068837
 <p>HRC 48</p>	90 Undyed						C0069927		
	150 Violet						B0068986	B0068987	B0068988
 <p>HRC 48 Loop</p>	150 Undyed							B0069939	
	 <p>HRC 80</p>	90 Violet						G0068657	
3/8 circle round bodied needle with short cutting point									
 <p>DRC 12</p>	70 Violet	C0068300	C0068301	C0068302					
 <p>DRC 22</p>	20 120 Violet				C0068829 C0068831	C0068830 C0068832			
 <p>DRC 26</p>	20 120 Violet				C0068833 C0068835	C0068834 C0068836			

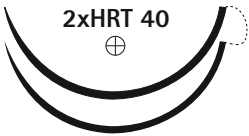





Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Hook curved round bodied needle with short cutting point									
 JRC 30s	70							C0068477	C0068476
	90								C0068857
	120					C0068193	C0068194		
	Violet								
 2xJRC 30s	45					C0068195	C0068479		
	60					C0068483	C0068482		
		Violet							
Progressive curved round bodied needle with short cutting point									
 PRC 24	120						C0068807		
	Violet								
1/2 circle round bodied needle with trocar point									
 HRT 37	70				C0068390	C0068392	C0068393	C0068391	
	90				C0068650	C0068651	C0068652	C0068653	C0068654
		Violet							
	70					C0069392	C0069393		
	90				C0069661	C0069662	C0069663	C0069664	C0069665
	Undyed								
 HRT 37	150					C0068323			
		Violet							
 HRT 37	4 x 45					C0088310	B0088147		
	4 x 90				B0088820				
	Violet								
 HRT 37s	70				C0068394	C0068395	C0068396	C0068397	
	90				C0068384	C0068532	C0068533	C0068534	C0068535
		Violet							
	70					C0069395	C0069396	C0069397	C0069398
	90				C0069384	C0069386	C0069387		
	Undyed								
 HRT 40	70					C0068023	C0068024	C0068525	
	90					C0068985			
		Violet							
	70					C0069400			
	90						C0069673		
	Undyed								

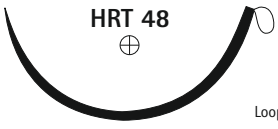
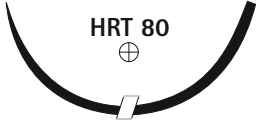







C Box of 36 units



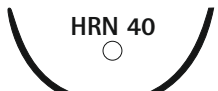



B Box of 24 units







G Box of 12 units







M Box of 6 units



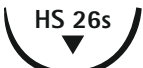
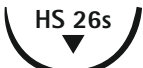

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle with trocar point									
 <p>2xHRT 40 ⊕</p>	70 Violet								C0068780
	70 Violet							C0068413	C0068484
 <p>HRT 40s ⊕</p>	70 Undyed					C0069672	C0069671	C0069670	
	70 90 Violet				C0068348	C0068349 C0068997	C0068351 C0068471	C0068472	
 <p>HRT 43 ⊕</p>	70 Undyed							C0069376	
	4 x 45 Violet						C0088124		
 <p>HRT 43 ⊕ "Take off"</p>	150 Violet						C0068346	B0068347	
 <p>HRT 43s ⊕</p>	70 90 140 Violet					C0068352		C0068474 C0068470	C0068353 C0068473 B0068127
	90 Undyed						C0069378		
	150 Violet							B0068356	B0068357
 <p>HRT 43s ⊕ Loop</p>	150 Undyed							B0069357	
	70 90 150 Violet				C0068504	C0068400 C0068500	C0068401 C0068501	C0068402 C0068502 B0068520	C0068403 C0068503






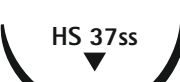

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle with trocar point									
 HRT 48	150 Violet						B0068369	B0068370	B0068918
 HRT 80	90 Violet						G0068788		
3/8 circle round bodied needle with trocar point									
 DRT 18	45 70 Violet		C0068319	C0068320	C0068764 C0068321				
	70 Undyed		C0069319	C0069320	C0069321				
 DRT 22	70 Violet			C0068376	C0068377	C0068378			
 DRT 26	70 Violet				C0068382	C0068383			
 DRT 32	70 Violet				C0068385	C0068386	C0068387	C0068309	C0068389
3/8 circle round bodied needle with trocar and micro-point									
 DRTM 8	45 Violet	C0068388							
 2xDRTM 8	45 Violet	G0068725							
 DRTM 12	70 Violet	C0068306	C0068307						






Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle with blunt point									
 HRN 30	70 Violet				C0068638	C0068604			
	2 x 70 Violet					C0068704			
 HRN 35	70 90 Violet					C0068517 C0068617	C0068518 C0068618	C0068608 C0068619	
	70 90 Undyed				C0069550	C0069549 C0069548	C0069547 C0069553	C0069552	
 HRN 40	70 90 Violet						C0068634 C0068636	C0068635 C0068637	
	90 Violet							C0068647	C0068648
 HRN 50	90 Violet						C0068663	C0068664	C0068665
	90 Undyed						C0069704	C0069705	
 HRN 50s	90 Violet							C0068228	C0068229
	90 Violet							B0068674	B0068675
3/8 circle round bodied needle with blunt point									
 DRN 64	90 Violet						B0068607	B0068605	B0068614


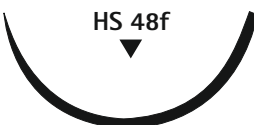


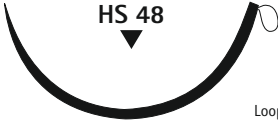
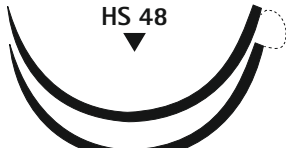
Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle with protection point									
 HRB 37s "Take off"	70 Violet								C0088316
	70 90 Undyed					C0069818		C0069822	
	8 x 45 Undyed						M0089819	M0089820	M0089821
 HRB 40s "Take off"	8 x 45 Violet							M0088295	M0088296
	8 x 45 Violet								
 HRB 48 "Take off"	8 x 45 Violet								
	8 x 45 Undyed							M0089770	M0089771
 HRB 65	90 Violet								B0088306
	4 x 70 Violet								
1/2 circle reverse cutting needle									
 HS 15	45 70 Violet		C0068203	C0068204					
	45 Undyed		C0068233	C0068250					
 HS 17s "Take off"	8 x 45 Violet							M0088055	
	4 x 45 Violet							B0088690	

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle reverse cutting needle									
 HS 18	70 Violet		C0068439	C0068522					C0068205
	70 Undyed			C0069322					
 HS 21	45 70 Violet		C0068423	C0068225	C0068226				
	45 70 Undyed			C0069225	C0069226				
				C0069424	C0069425				
 HS 21 "Take off"	4 x 45 Violet					C0088831			
	8 x 45 Violet					M0088095			
 HS 23	45 70 Violet				C0068230	C0068430	C0068431	C0068432	C0068429
	45 70 Undyed				C0069230	C0069430	C0069431	C0069432	C0069433
 HS 23 "Take off"	4 x 45 Violet				C0088836	C0088128			
	8 x 45 Violet				M0088090				
 HS 23ss	70 Violet								C0068840
	70 Undyed					C0069435	C0069437	C0069438	C0069434








Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle reverse cutting needle									
 HS 23ss "Take off"	4 x 45 Violet					C0088902	B0088694	B0088900	
	4 x 45 Undyed				C0089690	C0089690	B0089710		
	8 x 45 Violet					M0088085	M0088086	M0088087	
	8 x 45 Undyed					M0089167	M0089168		
 HS 26	45 70 90 Violet				C0068241	C0068242 C0068442	C0068243	C0068112 C0068244 C0068459	
	70 Undyed				C0069440	C0069441	C0069442		
 HS 26s	70 90 Violet				C0068641	C0068290 C0068440	C0068291	C0068292	
	70 Undyed				C0069289	C0069290	C0069084	C0069293	
 HS 26s "Take off"	4 x 45 4 x 70 Violet				C0088894	C0088895		B0088153	
	4 x 45 8 x 45 Undyed				C0089894 M0089175	C0089895 M0089176			
 HS 26ss	70 Violet						C0068975		C0068084
	70 Undyed							C0069083	









Needle length mm	Thread length cm colour	USP metric									
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5		
1/2 circle reverse cutting needle											
 HS 26ss "Take off"	4 x 45 Violet							B0088906	B0088907		
	8 x 45 Violet				M0088080	M0088081	M0088070	M0088071			
 HS 30	70 90 Violet					C0068251	C0068252	C0068253	C0068493		
	70 90 Undyed					C0069450	C0069451	C0069492			
 HS 30 "Take off"	4 x 45 Violet				C0088910						
	8 x 45 Violet				M0088060						
 HS 37	90 Violet				C0068494	C0068495	C0068496	C0068497	C0068498		
	70 90 Undyed				C0069459	C0069461	C0069462	C0069294	C0069295	C0069296	C0069297
 HS 37s	70 90 Violet			C0068593	C0068293	C0068294	C0068296	C0068297	C0068298	C0068599	
	70 90 Undyed				C0068594	C0068596	C0068582	C0068583	C0068599		
 HS 37ss	70 90 Violet						C0069460	C0069195	C0069196	C0069197	C0069198
	70 90 Undyed						C0069187				
 HS 37ss	70 90 Violet						C0068085	C0068086	C0068087		
	70 Undyed						C0068581				
	70 Undyed						C0069085	C0069088	C0069087		



Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle reverse cutting needle										
 HS 37ss "Take off"	3 x 45							B0088701		
	4 x 45						C0088922	B0088700		
	Violet									
	4 x 45 Undyed						C0089685	B0089718		
	8 x 45						M0088050	M0088051		
	Violet									
	8 x 45						M0089185	M0089186		
	Undyed									
 HS 40	70							C0068805	C0068806	
	90						C0068485	C0068486	C0068487	C0068488
	Violet									
 HS 40s	70					C0068271	C0068267	C0068268	C0068269	C0068770
	90						C0068585	C0068586	C0068587	C0068588
	Violet									
	70							C0069200	C0069093	C0069352
	Undyed									
 HS 40s "Take off"	4 x 70						B0088942			
	Violet									
	70							C0068199		
 HS 40ss	Violet									
	70							C0069199	C0069094	
	Undyed									







Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle reverse cutting needle										
 <p>HS 40ss "Take off"</p>	3 x 45									
	4 x 45									
	Violet									
	4 x 45									
	Undyed									
	8 x 45									
	Violet									
	8 x 45									
	Undyed									
 <p>HS 48f</p>	90									
	Violet									
 <p>HS 48</p>	70									
	90									
	Violet									
	70									
	90									
	Undyed									
	4 x 90									
	Violet									
 <p>HS 48 "Take off"</p>	8 x 90									
	Violet									
 <p>HS 48 Loop</p>	150									
	Violet									
 <p>HS 48</p>	90									
	Violet									




Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle reverse cutting needle									
 HS 55	70								C0068227
	Violet								
3/8 circle reverse cutting needle									
 DS 9	45	C0068202							
	Violet								
	45	C0069205							
	Undyed								
 DS 12	45	C0068206	C0068207	C0068208					
	70	C0068506	C0068507	C0068508					
	Violet								
	45	C0069206	C0069207	C0069208					
	70	C0069330	C0069331						
	Undyed								
 2xDS 12	45	C0068706	C0068769						
	Violet								
	45	C0069706							
	Undyed								
 DS 16	45		C0068212	C0068213	C0068214	C0068215			
	70		C0068512	C0068513	C0068514				
	90		C0068511						
	Violet								
	45		C0069212	C0069213	C0069214				
	70				C0069302				
	Undyed								
	45		C0068219	C0068220	C0068221				
	70		C0068419	C0068420	C0068421	C0068422			
	90			C0068224	C0068223				
 DS 19	Violet								
	45		C0069219	C0069220	C0069221				
	70		C0069419	C0069420	C0069421	C0069422			
	90			C0069224	C0069223				
	Undyed								

Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
3/8 circle reverse cutting needle										
	2 x 45 Violet			C0068729						
	45 70 150 Violet			C0068536 C0068234	C0068235	C0068236 C0068537	C0068237	C0068232		
	45 70 90 Undyed			C0069534 C0069234	C0069535 C0069235 C0069240	C0069236	C0069237			
	4 x 45 Violet				C0088953					
	"Take off"									
	8 x 45 Violet				M0088192					
	70 Violet				C0068246	C0068247	C0068248	C0068249	C0068245	
	70 Undyed				C0069246	C0069247	C0069248	C0069244		
	70 Violet				C0068255	C0068256	C0068257	C0068258	C0068259	
	70 Undyed				C0069255	C0069256				
	70 90 Violet						C0068282 C0068239	C0068283 C0068240		
	70 Undyed						C0069252	C0069253		
	70 Violet							C0068453		
	70 Violet									
	70 Undyed									C0069282

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
5/8 circle reverse cutting needle									
	70 Violet				C0068398				
	70 Undyed			C0069614	C0069622				
Straight cutting needle									
	45 Violet			C0068211					
	45 Violet			C0068920					
	45 70 Undyed			C0069512	C0069515	C0069516			
	70 Violet				C0068272	C0068274	C0068275		
	70 Violet				C0068272	C0068274	C0068275		
	70 Undyed			C0069271	C0069272	C0069273	C0069274		
	45 Violet						C0068933		
	45 70 Violet			C0068264	C0068465 C0068265	C0068266			
	45 70 Undyed			C0069280	C0069465 C0069265	C0069267			
	70 Violet						G0068923	G0068924	

Needle length mm	Thread length cm colour	USP metric							
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
1/2 circle reverse cutting needle with precision point									
HSMP 7 	45 Undyed			C0069604					
2xHSMP 7 	35 Undyed			C0069981					
HSMP 9 	45 Undyed			C0069611	C0069591	C0069593			
2xHSMP 9 	35 45 Violet	C0068673	C0068758						
HSMP 12 	45 Undyed			C0069606	C0069632	C0069633			
HSMP 15 	45 Undyed				G0069635	C0069636			
3/8 circle reverse cutting needle with precision point									
2xDSMP 6 	45 Violet		G0068850						
	45 Undyed			C0069700					
DSMP 7 	70 Violet		C0068407						
	45 Undyed			C0069601					
2xDSMP 7 	45 Violet			C0068708					
	45 Undyed			C0069709					
DSMP 11 	45 70 Violet		C0068684	C0068685 C0068688					
	45 Undyed			C0069607	C0069608				

Needle length mm	Thread length cm colour	USP metric								
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	
3/8 circle reverse cutting needle with precision point										
2xDSMP 11 	45 Violet			C0068726						
	45 Undyed			C0069807						
DSMP 13 	45 70 Violet			C0068622	C0068623 C0068723	C0068624				
	45 Undyed			C0069618	C0069619	C0069620				
2xDSMP 13 	45 Violet				C0068162					
	45 Undyed				C0069715	C0069716				
DSMP 16 	45 70 Violet			C0068530	C0068538 C0068782	C0068531 C0068783	C0068529 C0068784			
	45 70 Undyed			C0069526	C0069525 C0069325	C0069524 C0069326	C0069549 C0069327			
DSMP 19 	45 70 Violet				C0068626 C0068528	C0068630 C0068823	C0068631 C0068824			
	45 70 Undyed				C0069628 C0069528	C0069629 C0069529	C0069630 C0069530	C0069531		
DSMP 24 	45 70 Violet						C0068025 C0068864	C0068022 C0068865		
	45 70 Undyed					C0069655 C0069555	C0069656 C0069556	C0069657 C0069554		

Needle length mm	Thread length cm colour	USP metric							
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
3/8 circle reverse cutting needle with precision point									
 DSMP 30	70 Violet						C0068669	C0068670	C0068671
	70 Undyed						C0069544	C0069560	
 DSMP 35	70 Violet							C0068690	
	70 Violet						C0068659	C0068660	
 DSMP 39	70 Violet						C0068659	C0068660	
	70 Undyed						C0069659	C0069660	



Needle	Thread	USP metric									
		length mm	length cm	6/0	5/0	4/0	3/0	2/0	0	1	2
	colour			0.7	1	1.5	2	3	3.5	4	5
1/2 circle round bodied needle											
HR 17b 	70 violet				C0068144	C0068147	C0068152				
HR 17b "Take off"	8 x 45 violet							M0068153			
2xHR 17b 	70 violet				C0068163	C0068176					
HR 22b 	70 violet					C0068181	C0068186	C0068189			
HR 22b "Take off"	8 x 45 violet					M0068182	M0068188				
2xHR 22b 	70 90 violet					C0068190 C0068191	C0068192				
HR 26b 	70 violet					C0068196	C0068198	C0068209			
HR 26b "Take off"	8x45 8x70 violet							M0068200 M0068201			
2xHR 26b 	70 90 violet							C0068210 C0068216	C0068217		
Progressive curve round bodied needle											
PR 13b 	45 violet				C0068218						

	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Pre-cut sutures									
3 threads of 45 cm	3 x 45 Violet	C0058622	C0058623	C0058624	C0058625	C0058626	C0058627	C0058629	C0058630
	3 x 45 Undyed		C0059623	C0059624	C0059625	C0059626	C0059627	C0059629	C0059630
6 threads of 45 cm	6 x 45 Violet		C0058643	C0058644	C0058645	C0058646	B0058647	B0058649	B0058650
	6 x 45 Undyed		C0059643	C0058644	C0058645	C0058646	B0058647	B0058649	B0058650
12 threads of 45 cm	12 x 45 Violet			C0058664	C0058665	C0058666	B0058667	B0058669	B0058670
	12 x 45 Undyed			C0059664	C0059665	C0059666	B0059667	B0059669	B0059670
10 threads of 60 cm	10 x 60 Violet		C0058180	C0058181	C0058182	C0058183	B0058567	B0058568	
2 threads of 70 cm	2 x 70 Violet			C0058404	C0058405	C0058406	C0058407	C0058409	C0058410
	2 x 70 Undyed			C0059404	C0059405	C0059406	C0059407	C0059409	C0059410
5 threads of 70 cm	5 x 70 Violet			C0058444	C0058445	C0058446	C0058447	B0058449	B0058450
	5 x 70 Undyed			C0059444	C0059445	C0059446	C0059447	B0059449	B0059450
4 threads of 90 cm	4 x 90 Violet					C0058064	C0058065		
5 threads of 90 cm	5 x 90 Violet				C0058455	C0058456	C0058457		

	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Pre-cut sutures									
1 thread of 140 cm	1 x 140 Violet		C0058203	C0058204	C0058205	C0058207	C0058208	C0058209	C0058210
	1 x 140 Undyed		C0059616	C0059204	C0059205	C0059207	C0059208	C0059209	C0059210
1 thread of 150 cm	1 x 150 Violet			B0058704	B0058705	B0058706	B0058707	B0058709	B0058708
Ligature reels									
1 thread of 250 cm	1 x 250 Violet				G0058715	G0058716	G0058717	G0058719	G0058720
	1 x 250 Undyed				G0059715	G0059716	G0059717		

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Monosyn[®] Quick

Absorbable sutures

Description

Monosyn[®] Quick is an undyed short-term absorbable synthetic monofilament suture made of glyconate for the approximation of soft tissue with a fast healing process. Monosyn[®] Quick offers excellent handling properties and high knot security. Monosyn[®] Quick is recommended for all soft tissue with a fast healing process approximations.

Properties

- Retention of 50 % knot tensile strength after 6-7 days
- Complete mass absorption after 56 days

Indications

- Plastic surgery
- Gynaecology & Obstetrics
- Urology & Paediatrics
- Odontology & ENT
- Maxillofacial



Advantages

- Short-term absorption profile
- High knot pull tensile strength
- Superior handling features







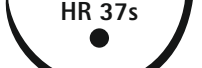
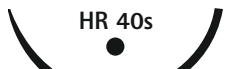
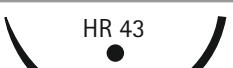
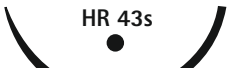

Monosyn[®] Quick

Product overview







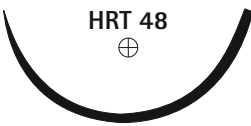



Structure	Monofilament
Colour	Undyed
Chemical composition	Glyconate (72 % glycolide, 14 % trimethylene carbonate, 14 % ϵ -caprolactone)
Coating	Uncoated
Origin	Synthetic
Sizes	USP 6/0 (0.7 metric) to USP 1 (4 metric)
Type of absorption	Absorption by hydrolysis
Sterilisation	Ethylene oxide

Monosyn® Quick

Needle-thread combination 












Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle									
 HR 13	45 70 undyed	C0025193 C0025206	C0025194 C0025207	C0025195					
 HR 17	45 70 undyed	C0025216	C0025225 C0025051	C0025052	C0025053				
 HR 22	45 70 undyed			C0025245	C0025160 C0025246	C0025247			
 HR 26	70 undyed			C0025057	C0025058	C0025059	C0025060		
 HR 26s	70 undyed					C0025361	C0025165		
 HR 30	70 undyed					C0025294	C0025295	C0025296	
 HR 37s	70 90 undyed				C0025064 C0025070	C0025065 C0025071	C0025066 C0025072	C0025067 C0025073	
 HR 40s	70 90 undyed					C0025076 C0025080	C0025077 C0025082	C0025078 C0025083	
 HR 43	70 undyed						C0025176		
 HR 43s	70 90 undyed						C0025175 C0025370		
 HR 48	90 undyed						C0025087	C0025088	

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
5/8 circle round bodied needle										
	70 undyed					C0025047				
Straight round bodied needle										
	45 undyed		C0025114	C0025115						
1/2 circle round bodied needle with trocar point										
	70 undyed		C0025152							
	90 120 undyed					C0025091 C0025096				
	70 undyed					C0025103				
	90 undyed						C0025284	C0025285		
	70 90 undyed						C0025173 C0025275			
3/8 circle round bodied needle with trocar point										
	45 undyed	C0025235								
	45 70 undyed		C0025236		C0025313	C0025314				
1/2 circle round bodied needle with blunt point										
	70 undyed						C0025177			

Monosyn® Quick

Needle-thread combination 









Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle reverse cutting needle									
 HS 15	45 undyed		C0025143						
 HS 18	70 undyed				C0025379				
 HS 23	45 undyed			C0025388	C0025389				
 HS 37	70 undyed						C0025174		
 HS 37s	90 undyed					C0025265	C0025266		
 HS 40s	90 undyed						C0025256	C0025257	
3/8 circle reverse cutting needle									
 DS 12	45 70 undyed	C0025134	C0025135 C0025323	C0025136 C0025304	C0025169				
 DS 16	45 70 undyed		C0025125 C0025331	C0025126 C0025332	C0025333				
 DS 19	45 70 undyed		C0025001 C0025006	C0025002 C0025007	C0025003 C0025008				
 DS 24	45 70 undyed			C0025011	C0025351 C0025012	C0025352 C0025013	C0025342		
 DS 30	70 undyed				C0025014	C0025015			

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Straight cutting needle									
GS 51 	70 undyed			C0025180	C0025181	C0025182	C0025172		
GS 60 	70 undyed				C0025186				
1/2 circle reverse cutting needle with precision point									
HSMP 15 	45 undyed			C0025101					
3/8 circle reverse cutting needle with precision point									
DSMP 11 	45 undyed	C0025020	C0025021						
DSMP 13 	45 undyed	C0025023	C0025024	C0025025					
DSMP 16 	45 undyed		C0025028	C0025029	C0025030				
DSMP 19 	45 70 undyed		C0025031	C0025032 C0025036	C0025033 C0025037	C0025038			
DSMP 24 	45 70 undyed			C0025039 C0025042	C0025040 C0025043	C0025044			
Pre-cut sutures									
1 thread of 150 cm	150 undyed					C0025317			

Monosyn[®]

Absorbable sutures

Description

Monosyn[®] is a mid-term absorbable synthetic monofilament suture made of glyconate, available in undyed colour for the closure of superficial wounds and in violet colour for the rest of indications. Monosyn[®] offers excellent handling properties and high knot security. Monosyn[®] is recommended for all soft tissue approximations.

Properties

- Retention of 50 % knot tensile strength after 14 days
- Complete mass absorption in 60 to 90 days

Indications

- Gastrointestinal surgery
- Gynaecology & Obstetrics
- Urology
- Skin closure (intracutaneous, subcutaneous)
- Paediatrics
- Ligatures
- Soft tissue closure in all specialties










Advantages











- Ideal degradation profile for soft tissue
- Smooth tissue passage
- Easy handling
- High knot-pull tensile strength
- Excellent knot security
- Rapid mass absorption






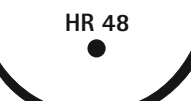
Monosyn[®]

Product overview

Structure	Monofilament
Colour	Violet or undyed
Chemical composition	Glyconate (72 % glycolide, 14 % trimethylene carbonate, 14 % ϵ -caprolactone)
Coating	Uncoated
Origin	Synthetic
Sizes	USP 7/0 (0.5 metric) to USP 2 (5 metric)
Type of absorption	Absorption by hydrolysis
Sterilisation	Ethylene oxide

Needle length mm	Thread length cm colour	USP metric								
		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
1/2 circle round bodied needle										
	70 Violet		C0022007	C0022008						
	45 70 Undyed	C0022132		C0023008						
	70 Violet		C0022801							
	70 90 Violet		C0022002	C0022003 C0022810	C0022004 C0022811	C0022005				
	70 Undyed			C0023003	C0023004	C0023005	C0023006			
	4 x 45 8 x 45 4 x 70 Violet	"Take off"		C0022160	C0022501 M0022938	M0022939				
	70 Violet			C0022803	C0022804	C0022805				
	30 45 70 Violet		C0022412	C0022413 C0022013	C0022014	C0022015	C0022016		C0022018	
	70 Undyed				C0023014	C0023015	C0023016			
	70 90 Violet				C0022814	C0022815	C0022914	C0022915		

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle									
 HR 22 "Take off"	4 x 45			C0022510	C0022511	C0022512			
	8 x 45			M0022695	M0022696				
 HR 26	4 x 70			C0022061					
	Violet								
	30					C0022023			
	70					C0022026	C0022027	C0022028	
 HR 26	90		C0022423	C0022422	C0022025	C0022425			
	120					C0022426			
	Violet					C0022424			
	70			C0023024	C0023025	C0023026			
 2xHR 26	Undyed								
	20					C0022296			
	70				C0022823	C0022835	C0022836		
	90				C0022824	C0022825	C0022826		
 HR 26 "Take off"	Violet								
	4 x 45			C0022521	C0022522	C0022523			
	4 x 70				C0022572				
	8 x 45			M0022260	M0022261				
 HR 26s	Violet								
	70			C0022084	C0022085	C0022086	C0022087	C0022088	
	90				C0022485	C0022486	C0022487	C0022488	C0022489
 HR 30	Violet								
	70			C0022034	C0022035	C0022036	C0022037	C0022038	C0022039
	90						C0022497		
	Violet								
 HR 30	70						C0023037		
	Undyed								
	70								
 2xHR 30	90				C0022535	C0022536			
	Violet				C0022435	C0022436			
	70								
 HR 30 "Take off"	4 x 45				C0022585				
	Violet								











Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle									
	70			C0022044	C0022045	C0022046	C0022047	C0022048	C0022049
	90 Violet				C0022445	C0022446	C0022447	C0022448	
	70 Undyed						C0023045		
	4 x 45 8 x 45 Violet					C0022542	B0022543 M0022597		
	4 x 70 Undyed					C0023546			
	70 90 Violet				C0022055 C0022451	C0022056 C0022456	C0022057 C0022457	C0022058 C0022458	
	70 90 120 Undyed				C0023094	C0023456	C0023081	B0023470	
	70 90 Violet					C0022066 C0022466	C0022067 C0022467	C0022068 C0022468	C0022069 C0022469
	4 x 45 8 x 45 Violet						B0022548 M0022767		
	90 120 140 Violet					C0022076	C0022077	C0022078 B0022578 B0022290	C0022079
	120 Undyed							B0023478	
	8 x 45 Violet						M0022880	M0022881	










C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle									
	90 Violet								B0022490
	90 Violet					B0022492			B0022491
	70 Violet								C0022760
	90 150 Violet								B0022493 B0022494
Needle length mm	Thread length cm colour	USP metric							
		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
3/8 circle round bodied needle									
	45 Violet			C0022582					
	70 90 Violet		C0022095	C0022096 C0022721					
	70 90 Violet		C0022854	C0022830					
	70 Violet			C0022093	C0022094				
 Loop	70 Violet					C0022783			
	30 70 120 Violet				C0022128 C0022110 C0022129	C0022097 C0022100 C0022112			











Needle length mm	Thread length cm colour	USP metric								
		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
3/8 circle round bodied needle										
 DR 26	30						C0022119	C0022120		
	70						C0022117	C0022118		
	120 Violet							C0022122		
 2xDR 26	70 Violet						C0022790			
 DR 32	70 Violet					C0022111	C0022101	C0022106	C0022125	C0022126
 2xDR 32	70 Violet							C0022863		
5/8 circle round bodied needle										
 FR 26	70					C0022618	C0022619	C0022620		
	90							C0022625		
	120 Violet						C0022592			
	70 Undyed						C0023622	C0023620	C0023621	
 2xFR 26	45							C0022741		
	70					C0022734	C0022735	C0022736		
	90						C0022727	C0022740		
	Violet									
 FR 36	70 Violet						C0022635	C0022636	C0022637	
	70 Undyed								C0023618	
 2xFR 36	90 Violet						C0022729	C0022730		
 FR 40	70							C0022629	C0022630	
	Violet									






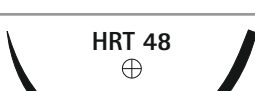




C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric								
		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
Round bodied ski needle										
 SKR 26	30 120 Violet					C0022715 C0022717				
Straight cutting needle										
 GR 19	30 Violet				C0022410	C0022406				
 GR 65	90 Violet					C0022679				
Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
3/8 circle round bodied tapercutting needle										
 DRC 10	70 Violet	C0022382								
 DRC 12	70 Violet	C0022392	C0022403							
 2xDRC 12	70 Violet	C0022832	C0022845							
1/2 circle round bodied needle with trocar point										
 HRT 13	70 Violet	C0022310	C0022311							
 HRT 17	70 Violet	C0022322	C0022323	C0022324	C0022325	C0022326				
 2xHRT 17	70 Violet			C0022724	C0022725					
 2xHRT 22	70 90 Violet			C0022430	C0022331 C0022431					










Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle with trocar point										
 HRT 26	70			C0022304	C0022305	C0022306	C0022307			
	90 Violet						C0022507			
 2xHRT 26	70 Violet			C0022404	C0022405					
 HRT 30	70 Violet					C0022336	C0022337			
 HRT 37	70 90 Violet				C0022315 C0022314	C0022316 C0022516	C0022317 C0022517	C0022318 C0022518		C0022519
 HRT 40	90 Violet						C0022527	C0022528		
 HRT 48	90 150 Violet						C0022332	C0022333 B0022334		
3/8 circle round bodied needle with trocar point										
 DRT 18	70 Violet		C0022343	C0022344						
 DRT 22	70 Violet			C0022354	C0022355					
 DRT 26	70 Violet				C0022365	C0022366				
 DRT 32	70 Violet					C0022376	C0022377	C0022378		







C Box of 36 units










B Box of 24 units







G Box of 12 units









M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied blunt point needle									
 HRN 35	70					C0022283	C0022284		
	90 Violet						C0022439		
 HRN 50	90 Violet							C0022453	
	90 Undyed						C0023450		
3/8 circle round bodied blunt point needle									
 DRN 64	90 Violet							C0022400	
3/8 circle round bodied with protection point									
 HRB 26 "Take off"	8 x 45 Violet				M0022871				
 HRB 37s	90 Violet						C0022707	C0022708	
 HRB 37s "Take off"	8 x 45 Violet				M0022287		M0022890	M0022891	
 HRB 48	90 Violet						C0022666	C0022667	
1/2 circle reverse cutting needle									
 HS 18	70 Undyed		C0023263	C0023264					
 2xHS 18	30 Undyed			C0023674					

Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle reverse cutting needle										
	70 Undyed			C0023224	C0023225	C0023226				
	70 90 Violet				C0022236	C0022237 C0022299				
	70 Undyed				C0023239	C0023240				
	70 Violet				C0022241	C0022242	C0022243			
	70 Undyed						C0023229	C0023230		
	70 Violet						C0022244			
	70 Undyed						C0023250	C0023251		
	70 Violet						C0022245			
	70 Undyed					C0023235	C0023236	C0023237	C0023238	
	70 90 Violet						C0022247	C0022248 G0022477	C0022249	
	70 Undyed						C0023243	C0023244		

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle reverse cutting needle									
 HS 40	90							C0023247	C0023248
	Undyed								
 HS 48	90							C0023259	C0023258
	Undyed								
3/8 circle reverse cutting needle									
 DS 12	45	C0022102	C0022103	C0022104					
	70		C0022210						
	Violet								
	45		C0023103						
 DS 16	70	C0023412	C0023413	C0023414					
	Undyed								
	45		C0022419	C0022420					
	70			C022220					
 DS 19	Violet								
	45	C0023562	C0023563	C0023303					
	70		C0023423	C0023424	C0023425				
	Undyed								
 DS 24	45			C0022504					
	70			C0022204	C0022205				
	90			C0022904	C0022905				
	Violet								
 DS 24	45		C0023503	C0023204	C0023205				
	70		C0023403	C0023404	C0023405	C0023406			
	Undyed								
	70			C0022214	C0022215		C0022217		
 DS 24	90			C0022224	C0022225				
	Violet								
	45				C0023115	C0023116			
	70			C0023214	C0023215	C0023216		C0023182	
 DS 24	90				C0023210				
	Undyed								

Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
3/8 circle reverse cutting needle										
 DS 30	70 Violet					C0022231	C0022232	C0022233		
	45 70 Undyed			C0023207	C0023435	C0023436	C0023437			
 DS 39	70 Undyed					C0023191				
	5/8 circle reverse cutting needle									
 FS 25	70 Undyed				C0023220					
	Straight round bodied needle									
 GS 51	70 Undyed			C0023279	C0023280	C0023281				
	 GS 60	70 Undyed			C0023284	C0023285	C0023286			
1/8 circle reverse cutting needle with micro-point										
 HSMP 9	45 Undyed	C0023651		C0023608						

Needle length mm	Thread length cm colour	USP metric								
		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
3/8 circle reverse cutting needle with micro-point										
DSMP 7 	45 Violet	C0022647								
	45 Undyed	C0023647								
DSMP 11 	45 Violet	C0022644	C0022601	C0022602						
	45 Undyed	C0023641	C0023642	C0023643						
DSMP 13 	45 Violet		C0022432	C0022433	C0022434					
	45 Undyed		C0023602	C0023603	C0023604	C0023605				
DSMP 16 	45			C0023613	C0023614					
	70 Undyed			C0023162	C0023163					
DSMP 16s 	45 Undyed			C0023612						
DSMP 19 	45				C0022444					
	70 Violet				C0022141					
	45			C0023623	C0023624	C0023625				
	70 Undyed				C0023627	C0023628				
DSMP 24 	70 Violet					C0022685				
	45				C0023634	C0023633	C0023637			
	70 Undyed				C0023632	C0023635	C0023636			
DSMP 24s 	70 Undyed					C0023638				



Needle	Thread	USP metric									
		length mm	length cm	6/0	5/0	4/0	3/0	2/0	0	1	2
	colour	mm	cm	0.7	1	1.5	2	3	3.5	4	5
1/2 circle round bodied needle											
HR 13b 	70 violet		C0022301								
HR 17b 	70 violet			C0022616	C0022688	C0022689					
HR 17b "Take off"	8 x 45 violet							M0022622			
2xHR 17b 	70 violet			C0022623	C0022626						
HR 22b 	70 violet					C0022659	C0022660	C0022661			
HR 22b "Take off"	8 x 45 violet					M0022627	M0022628				
2xHR 22b 	70 90 violet					C0022632	C0022639				
HR 26b 	70 violet					C0022643	C0022357	C0022358			
HR 26b "Take off"	8 x 45 8 x 70 violet							M0022645	M0022646		
2xHR 26b 	70 90 violet							C0022649	C0022654		
Progressive curve round bodied needle											
PR 13b 	45 violet				C0022655						

Needle length mm	Thread length cm colour	USP metric							
		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
Pre-cut sutures									
3 threads of 45 cm	3 x 45 Violet					C0020005	C0020006	C0020007	C0020008
	6 x 45 Violet				C0020014	C0020015	C0020016	B0020017	B0020018
6 threads of 45 cm	6 x 45 Undyed							B0023810	B0023809
	5 threads of 70 cm	5 x 70 Violet				C0020025	C0020026	C0020027	B0020028
1 thread of 140 cm	1 x 140 Violet					C0020035	C0020036	C0020037	C0020038
Ligature reels									
1 thread of 250 cm	1 x 250 Violet					G0020045	G0020046	G0020047	G0020048
	1 x 250 Undyed						G0021246		

MonoPlus®

Absorbable sutures

Description

MonoPlus® is a violet long-term absorbable synthetic monofilament suture made of polydioxanone. MonoPlus® offers good handling combined with great strength. Because of its slow degradation profile, MonoPlus® is ideal for all the indications where an extended wound support of more than 4 weeks is desirable.

Properties

- Retention of 50 % knot tensile strength after:
 - 35 days (\geq USP 3/0)
 - 28 days (\leq USP 4/0)
- Complete mass absorption in 180 to 210 days

Indications

- Orthopaedics (tendons, joint capsule)
- Paediatric cardiovascular surgery
- General surgery
- Abdominal wall closure




Advantages

- Outstanding strength retention for extended wound support
- High knot tensile strength
- Very flexible, pliable and easy to knot
- Smooth passage through tissue










MonoPlus®

Product overview

Structure	Monofilament
	
Colour	Violet
Chemical composition	Polydioxanone
Coating	Uncoated
Origin	Synthetic
Sizes	USP 7/0 (0.5 metric) to USP 2 (5 metric)
Type of absorption	Absorption by hydrolysis
Sterilisation	Ethylene oxide

MonoPlus®

Needle-thread combination











Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle										
	45	C0024902	C0024903							
	70 Violet	C0024002	C0024003	C0024004						
	4 x 70 Violet		C0024807							
	4 x 70 Violet		C0024705							
"Take off"										
	70 Violet	C0024602	C0024603							
	70 Violet				C0024205	C0024206	C0024207			
	45			C0024889						
	70 Violet	C0024012	C0024013	C0024014	C0024015					
	70 90 Violet		C0024613	C0024614						
			C0024443	C0024444						
	70 Violet					C0024131				
	70 Violet			C0024679						
	70 Violet		C0024133	C0024134	C0024135	C0024136				

C Box of 36 units

B Box of 24 units










G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle									
 HR 22	4 x 45 Violet			C0024764	C0024765				
	"Take off" 8 x 45 Violet			M0024381	M0024684				
 2xHR 22	70 90 Violet			C0024634 C0024238	C0024635				
	 HR 22s	70 Violet					C0024146	C0024147	
 2xHR 22s		70 Violet				C0024164			
 HR 26	70 90 Violet		C0024433	C0024024	C0024025 C0024435	C0024026 C0024436	C0024027		
	 HR 26	4 x 45 4 x 70 Violet			C0024774 C0024724	C0024775 C0024725			
"Take off" 8 x 45 8 x 70 Violet				M0024869 M0024961	M0024698 M0024962	M0024871			
 2xHR 26	70 90 Violet			C0024624 C0024437	C0024625 C0024438	C0024626 C0024441			
	 HR 26s	70 Violet				C0024085	C0024086	C0024087	C0024088
 HR 30	70 90 Violet			C0024034 C0024439	C0024035 C0024440	C0024036	C0024037	C0024038	
	 2xHR 30	90 Violet				C0024945			

MonoPlus®

Needle-thread combination










Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle										
	70 90 Violet				C0024045	C0024046		C0024447	C0024448	
	4 x 45 Violet							B0024925	B0024912	
	8 x 45 Violet							M0024792		
	70 90 Violet				C0024639	C0024646				
	70 90 Violet				C0024055	C0024056	C0024057 C0024452	C0024058 C0024453		
	8 x 45 Violet					M0024948	M0024949	M0024950		
	70 90 Violet				C0024040	C0024062		C0024457	C0024458	
	70 90 Violet				C0024466	C0024066	C0024067 C0024467	C0024068 C0024468	C0024469	
	150 Violet							B0024567	B0024568	

C Box of 36 units

B Box of 24 units

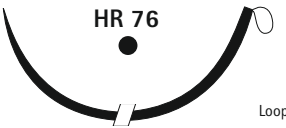










G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle										
	90 Violet							C0024401	C0024402	
	70 90 Violet				C0024589	C0024063		C0024077	C0024078	C0024079
	240 Violet								B0024398	
	8 x 45 Violet							M0024759	M0024760	
	150 Violet							C0024090	B0024091	
	140 Violet								B0024500	
	2 x 70 Violet								C0024097	
	120 150 240 250 Violet							C0024094	B0024339 B0024130 B0024107 B0024100	
	70 Violet							B0024033	B0024099	

MonoPlus®

Needle-thread combination




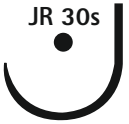

Needle length mm	Thread length cm colour	USP metric								
		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
1/2 circle round bodied needle										
 HR 76 Loop	150 Violet									B0024098
3/8 circle round bodied needle										
 2xDR 8	45 Violet		C0024714							
 DR 10	45 Violet	C0024981								
 2xDR 10	70 Violet	C0024801	C0024802							
 DR 12	70 Violet		C0024512	C0024513						
 2xDR 12	70 Violet		C0024812	C0024813	C0024814					
 DR 15	70 Violet			C0024523	C0024524	C0024525				
 2xDR 15	70 Violet			C0024823	C0024824	C0024825				
 DR 18	70 Violet		C0024532	C0024533	C0024534	C0024528				
 2xDR 18	70 Violet			C0024833	C0024834					
 DR 18 Loop	40 Violet					C0024529				

C Box of 36 units

B Box of 24 units


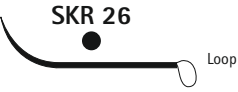


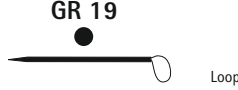


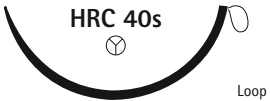
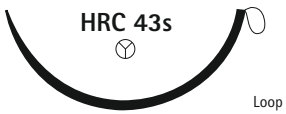
G Box of 12 units

M Box of 6 units

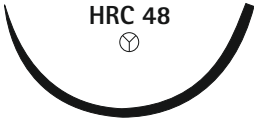
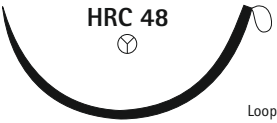





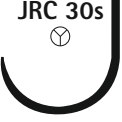

Needle length mm	Thread length cm colour	USP metric							
		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
5/8 circle round bodied needle									
 FR 26	70 Violet					C0024571		C0024092	
 2xFR 26	70 90 Violet					C0024835	C0024836 C0024936		
 2xFR 36	90 Violet						C0024780		
Hook needle with taper point									
 JR 30s	45 120 Violet							C0024770 C0024170	
 JR 36ss	70 Violet						C0024126		

MonoPlus®

Needle-thread combination







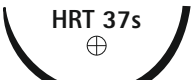

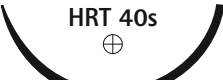

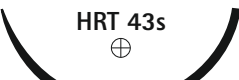

Needle length mm	Thread length cm colour	USP metric								
		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
Round bodied ski needle										
 SKR 26	30									
	40									
	120 Violet						C0024606		C0024662	
 SKR 26	40 Violet						C0024650			
Straight round bodied needle										
 GR 19	30 Violet						C0024247	C0024245		
 2xGR 19	45 Violet						C0024584	C0024985		
 GR 19	40 Violet							C0024241		
 2xGR 65	70 Violet							C0024895	C0024896	C0024897
1/2 circle round bodied needle with short cutting point										
 HRC 26	70 Violet						C0024498			
 HRC 40s	150 Violet								C0024738	B0024739
 HRC 43s	150 Violet									B0024267

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm	Thread length cm colour	USP metric							
		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
1/2 circle round bodied needle with short cutting point									
 HRC 48	90 200 Violet								C0024261 B0024278
 HRC 48 Loop	150 Violet							C0024749	B0024750
3/8 circle round bodied needle with short cutting point									
 DRC 10	70 Violet	C0024221	C0024222						
 2xDRC 10	70 Violet	C0024721	C0024722						
 DRC 12	70 Violet		C0024232	C0024233					
 2xDRC 12	70 Violet		C0024732	C0024733					
 DRC 18	70 Violet			C0024243					
Hook curved round bodied needle with short cutting point									
 JRC 30s	70 Violet							C0024168	C0024928
Progressive round bodied needle with short cutting tip									
 PRC 24	120 Violet						C0024850		

MonoPlus®

Needle-thread combination


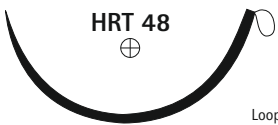
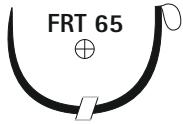





Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle with trocar point										
	70 Violet		C0024283	C0024284	C0024285	C0024286				
	70 Violet			C0024294	C0024295					
	70 Violet					C0024305	C0024306	C0024307		
	70 Violet					C0024605				
	70 Violet						C0024311			
	70 90 Violet						C0024316	C0024517	C0024518	
	70 90 Violet						C0024321	C0024322	C0024818	C0024323
	90 Violet							C0024543		
	90 Violet							C0024545	C0024546	
	150 Violet							C0024342	B0024343	
	90 Violet							C0024352	C0024353	C0024354
	150 Violet								C0024347	

C Box of 36 units

B Box of 24 units





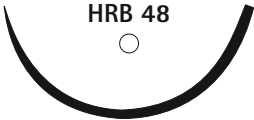
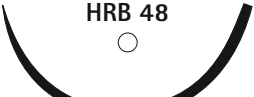

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle with trocar point										
 HRT 48	90 Violet							C0024332	C0024333	
 HRT 48 Loop	150 180 200 Violet							C0024394 B0024395	B0024393 B0024396 B0024392	B0024391
5/8 circle round bodied needle with trocar point										
 FRT 65 Loop	150 Violet							B0024096	B0024390	
1/2 circle round bodied needle with blunt point										
 HRN 35	90 Violet							C0024404		
 HRN 35 "Take off"	8 x 45 Violet							M0024052		
 HRN 45	90 Violet		C0024406							
 HRN 50 Loop	90 Violet		C0024408							
 HRN 50 Loop	150 200 Violet							B0024357 B0024368	B0024358	

MonoPlus®

Needle-thread combination










Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle with protection point									
	8 x 45 Violet				M0024796				
	90 Violet						C0024462	C0024711	
	8 x 45 Violet					M0024864	M0024865		
	8 x 45 Violet						M0024556	M0024557	
	150 Violet						C0024563	C0024564	
	90 Violet						C0024881	C0024877	
	8 x 45 Violet						M0024875	M0024876	
	90 150 Violet						B0024235	B0024153	

C Box of 36 units

B Box of 24 units

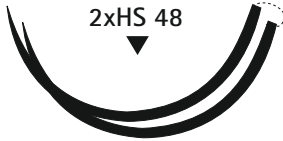






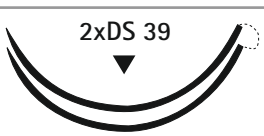


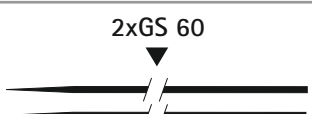
G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle reverse cutting needle									
	70 Violet				C0024190				
	70 Violet							C0024108	
	70 Violet				C0024185	C0024186	C0024187	C0024188	
	90 Violet					C0024104	C0024105	C0024106	
	70 90 Violet				C0024191	C0024156 C0024114	C0024157 C0024115	G0024158 C0024116	
	90 Violet						C0024117	C0024118	C0024119
	90 Violet					C0024121	C0024122		
 Loop	70 Violet								C0024560
	70 90 Violet						C0024127	C0024202 C0024128	

MonoPlus®

Needle-thread combination








Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle reverse cutting needle										
	90 Violet									C0024630
3/8 circle reverse cutting needle										
	45 Violet			C0024193						
	45 70 Violet		C0024535	C0024906 C0024539						
	45 70 Violet		C0024081 C0024175	C0024909 C0024536	C0024102 C0024519					
	45 70 Violet				C0024101 C0024541	C0024520	C0024990			
	70 Violet						C0024992	C0024598		
	90 Violet								C0024538	
	45 Violet						C0024976			
Straight cutting needle										
	45 Violet			C0024994	C0024995					
	70 Violet					C0024189				
	70 Violet					C0024861			C0024898	

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle reverse cutting needle with precision point									
HSMP 9 	45 Violet			C0024926					
HSMP 15 	45 Violet			C0024921					
3/8 circle reverse cutting needle with precision point									
2xDSMP 11 	45 Violet	C0024176	C0024177						
DSMP 13 	45 Violet	C0024407	C0024916	C0024908					
DSMP 16 	45 Violet		C0024194	C0024970					
DSMP 19 	45 70 Violet		C0024901	C0024907	C0024109 C0024151				
DSMP 24 	45 70 Violet			C0024983	C0024103	C0024988			




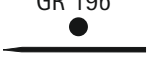
MonoPlus®

Needle-thread combination



Needle	Thread	USP metric								
		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
length mm	length cm colour									
1/2 circle round bodied needle										
 HR 17b 	70 violet			C0024515	C0024521					
	4 x 70 violet			C0024516						
 HR 22b 	70 violet				C0024522	C0024530				
	4 x 70 violet				C0024526					
 2xHR 22b 	75 violet				C0024531					
 HR 26b 	70 violet				C0024547	C0024548	C0024551			
	4 x 45 violet					C0024550				
3/8 circle round bodied needle										
 DR 10b 	75 violet	C0024010								
 DR 13b 	75 violet			C0024008						
 DR 18b 	70 violet		C0024609	C0024610	C0024611					

C Box of 36 units B Box of 24 units G Box of 12 units M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Round bodied ski needle									
  SKR 26b	20 violet			C0024570	C0024572				
Straight round bodied needle									
  GR 19b	20 violet			C0024573	C0024574				

MonoPlus®

	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
Pre-cut sutures										
2 threads of 70 cm	2 x 70 Violet						C0044200	C0044205		

Monomax[®]

Absorbable sutures

Description

Monomax[®] is an extra long-term absorbable monofilament synthetic suture made of poly-4 hydroxybutyrate. Monomax[®] degrades by hydrolysis and enzymatic reaction and provides a predictable and reliable longterm absorption.

Properties

- Retention of 50 % tensile strength after 90 days
- Retention of 0 % tensile strength after approx. 180 days
- Complete mass absorption in around 13 months

Indication

- Closure of the abdominal wall



Advantages

- Ideal degradation profile for abdominal wall closure
- "Shock-Z" – unique shock absorption profile
- Unique handling features
- Ideal adaptation to wound edges





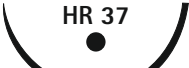
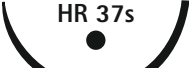

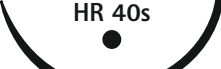

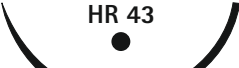
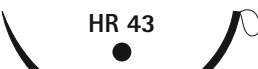
Monomax[®]

Product overview

Structure	Monofilament
Colour	Violet
Chemical composition	Poly-4 hydroxybutyrate
Coating	Uncoated
Origen	Synthetic
Size	USP 1 (metric 4), USP 0 (metric 3.5) and USP 2/0 (metric 3)
Type of absorption	Absorption by hydrolysis (enzymatic reaction)
Sterilisation	Ethylene oxide

Monomax[®]

Needle-thread combination



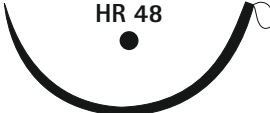


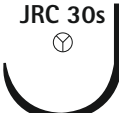




Needle length mm	Thread length cm colour	USP metric								
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	
1/2 circle round bodied needle										
	70 Violet					B0041425				
	70 Violet					B0041415	B0041416			
	70 90 150 Violet					B0041249 B0041444	B0041250	B0041258		
	70 90 150 Violet					B0041267 B0041278 B0041453		B0041269 B0041280		
	70 90 Violet					B0041015	B0041024	B0041025		
	70 90 Violet					B0041034	B0041035 B0041046	B0041036 B0041047		
	70 90 Violet					B0041057	B0041066	B0041067		
	70 90 Violet					B0041086	B0041087 B0041097	B0041088 B0041098		
	150 Violet						B0041076	B0041077		
	70 Violet						B0041298			
	150 Violet							B0041307		

C Box of 36 units

B Box of 24 units





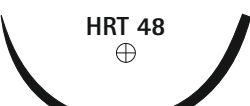
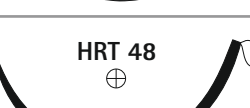
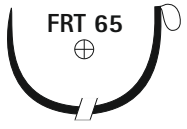
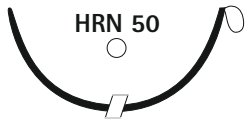
G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
1/2 circle round bodied needle									
 HR 43s	90 Violet					B0041107	B0041108		
 HR 48	70 90 Violet				B0041128	B0041137	B0041138		
 HR 48	150 200 Violet				B0041117	B0041118	B0041119 B0041325		
 HR 65	150 Violet					B0041147	B0041148		
 HR 76	150 Violet						B0041157		
Hook curved round bodied needle with short cutting point									
 JRC 30s	70 Violet						B0041560		
1/2 circle round bodied needle with trocar point									
 HRT 26	70 150 Violet				B0041175 B0041463	B0041176			
 HRT 30	150 Violet				B0041472				
 HRT 40	70 90 Violet					B0041343 B0041352	B0041344		
 HRT 40s	90 Violet						B0041194		

Monomax[®]

Needle-thread combination **Easyslide**

Needle length mm	Thread length cm colour	USP metric								
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	
1/2 circle round bodied needle with trocar point										
 HRT 40s	150 Violet					B0041184	B0041185			
 HRT 43	70 90 Violet					B0041369 B0041378				
 HRT 43s	90 Violet						B0041212			
 HRT 43s	150 Violet						B0041203			
 HRT 48	70 90 Violet					B0041240	B0041396 B0041241			
 HRT 48	150 180 200 Violet					B0041221 B0041433	B0041222 B0041434 B0041231			
5/8 circle round bodied needle with trocar point										
 FRT 65	150 Violet					B0041005	B0041006			
1/2 circle round bodied needle with blunt point										
 HRN 50	150 Violet						B0041166			

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Non-absorbable sutures

Premilene®

PremiCron®

Dafilon®

Trelon®

Supramid

Dagrofil®

Virgin silk / Silkam®

Steelex®

Linatrix®

Non-absorbable sutures

Colour and article coding for easy box content identification



Premilene®

Non-absorbable sutures

Description

Premilene® is a non-absorbable synthetic monofilament suture made of polypropylene, available in blue to enhance visibility.

Premilene® sutures are indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic and neurological procedures. Besides the normal DDP packaging, Premilene® is also offered in RacePack® presentation and LongPack presentation to avoid the memory effect.

Indication

- Vascular surgery
- Cardiac surgery
- Plastic and reconstructive surgery
- Skin closure (intracutaneous, subcutaneous)
- Neurosurgery
- Microsurgery
- Gastrointestinal surgery



Advantages

- Smooth passage through tissue
 - Excellent knot run down and security
 - Minimal acute inflammatory reaction in tissues
 - Unsurpassed strength
 - Optimal elasticity and elongation properties
 - 300 series stainless steel needles for superior breaking resistance
- Easyslide**
- Available with CV pass and CV pass easyblack, new generation of needles for cardiovascular indication












Premilene®

Product overview

Structure	Monofilament
Colour	Blue
Chemical composition	Polypropylene
Coating	Uncoated
Origin	Synthetic
Sizes	USP 10/0 (0.2 metric) to USP 2 (5 metric)
Type of absorption	Non-absorbable
Sterilisation	Ethylene oxide

Premilene®

Needle-thread combination














Needle			Thread	USP metric							
length mm	angle	diameter microns	length cm colour	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	
3/8 circle round bodied micro vascular needle with taper point											
CV Pass trybuck	2xDRmV 6b 	135°	 75 140µ Blue	G2095086							
			Long pack	45 60	G0095030 G0095040						
				135°	140µ Blue						
CV Pass trybuck	2xDRmV 8b 	135°	Long pack	2 x 45 Blue	G0095031						
			Long pack	60 75	G0095050 G0095060						
CV Pass trybuck	DRmV 10b 	135°	 75 200µ Blue		G2095976	G2095469					
			135°	200µ Blue			G0095469				
CV Pass trybuck	2xDRmV 10b 	135°	 75 200µ Blue		G2090989	G2095139					
			Long pack	60 75		G0095071 G0090064	G0095138				
				135°	200µ Blue						
CV Pass trybuck	DRmV 13b 	135°	Long pack	75 90			G0095077 G0095076				
			135°	320µ Blue							
CV Pass trybuck	DRmV 13b 	135°	Long pack	75 90				G0095079 G0095078			
			135°	380µ Blue							

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units



Needle			Thread	USP metric							
length mm	angle	diameter microns	length cm colour	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	
3/8 circle round bodied micro vascular needle with taper point											
	135°	 320µ	60 Blue			G2095201					
	135°	 380µ	90 Blue				G2095746				
	135°	320µ	60 Blue			G0095201					
 2xDRmV 13b 	135°	 320µ	75 90 Blue			G0095133 G0095132					
	135°	 380µ	75 90 Blue				G0095135 G0095134				
	135°	 320µ	2 x 60 2 x 75 2 x 90 Blue			G0095269 G0095234 G0095224					
	135°	 380µ	2 x 90 Blue				G0095225				
	Progressive curved micro vascular needle with taper point										
	 2xPRmV 10b 	95°/90°	 200µ	75 Blue		G2095153	G2090670				
95°/90°		200µ	75 Blue		G0090671						
1/2 round bodied micro-needle with taper point											
HRm 6 	180°	 200µ	30 Blue			G2090740					
	180°	200µ	30 Blue			G0090740					

Premilene®

Needle-thread combination










Needle			Thread length cm colour	USP metric						
length mm	angle	diameter microns		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3

1/2 round bodied micro-needle with taper point

2xHRm 6 	180°	 200µ	45 Blue		G2090742	G2090743				
			45 Blue		G0090742	G0090743				

Needle			Thread length cm colour	USP metric						
length mm	angle	diameter microns		10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5

3/8 round bodied micro-needle with taper point













DRm 4 	135°	70µ	10 Blue	G0090781						
			15 Blue	G0090782						
DRm 5 	135°	100µ	5 Blue	G0090874						
			45 Blue	G0090482						
2xDRm 5 	135°	100µ	45 Blue							
			15 Blue							
DRm 6 	135°	 140µ	45 Blue			G2090883				
			45 Blue		G0090783	G0090883				
2xDRm 6 	135°	 140µ	45 Blue			G2090780				
			60 Blue			G2090609				
DRm 8 	135°	 140µ	45 Blue			G2090025				
			15 Blue			G0090753				

C Box of 36 units

B Box of 24 units















G Box of 12 units

M Box of 6 units

Needle			Thread	USP metric						
length mm	angle	diameter microns	length cm colour	10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5
3/8 round bodied micro-needle with taper point										
	135°	 140μ	45							
			60							
			75							
			Blue							
	135°	140μ	30		G0090759					
			60							
			Blue							
		135°	 200μ	75				G2090784	G2090785	
					Blue					
	135°	200μ	75					G0090784	G0090785	
			Blue							
		135°	 200μ	60				G2095106	G2090986	G2090987
						75				G2095107
				Blue						
	135°	200μ	75					G0090786	G0090787	
			Blue							
	135°	200μ	2 x 75					G0090408	G0095082	
			Blue							
Progressive curved micro-needle with taper point										
		100°/90°	100μ	13						
						Blue				
	100°/90°	140μ	60					G2090689		
			Blue							
3/8 round bodied micro vascular needle with short cutting point										
		135°	 200μ	75					G2095685	G2095672
						Blue				

Premilene®

Needle-thread combination













Needle			Thread	USP metric						
length mm	angle	diameter microns	length cm colour	10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5
Progressive curved round bodied micro vascular needle with short cutting point										
 2xPRCmV 10b 	135°	 200µ	60				G2090647			
			75				G2090669	G2090668		
			Blue							
	135°	200µ	75				G0090669	G0090668		
			Blue							
			 200µ	60			G0095657			
	135°		Blue							
3/8 round bodied micro-needle with short cutting point										
2xDRCm 6 	135°	 140µ	60			G2090702				
			75			G2095277				
			Blue							
	135°	140µ	60			G0090702				
			Blue							
2xDRCm 8 	135°	 140µ	60			G2095249				
			75			G2095284				
			Blue							
 DRCm 10b 	135°	 200µ	75					G2090768		
			Blue							
 2xDRCm 10b 	135°	 200µ	60			G2090755				
			75			G2090694	G2090693			
				Blue						
	135°	200µ	45			G0090832				
75					G0090694	G0090693				
			Blue							

C Box of 36 units

B Box of 24 units




















G Box of 12 units

M Box of 6 units

Needle			Thread	USP metric							
length mm	angle	diameter microns	length cm colour	10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	
Progressive curved round bodied micro-needle with short cutting point											
	100°/95°	100μ	13 Blue		G0090664						
	100°/95°	140μ	60 Blue								
	100°/95°	 140μ	60 Blue			G2090698					
 	95°/90°	200μ	20 Blue				G0090854				
1/2 circle micro-lancet needle											
	160°	150μ	30 Blue	G0090775							
3/8 circle micro-lancet needle											
	140°	150μ	30 Blue	G0090589							
	140°	150μ	15 Blue	G0090590							
	140°	150μ	15 30 Blue	G0095548 G0090591		G0090638					
	137°	200μ	15 Blue	G0090593	G0090594	G0090595					
	137°	200μ	15 30 Blue	G0090596	G0090846 G0090597						

Premilene®

Needle-thread combination












Needle			Thread	USP metric							
length mm	angle	diameter microns	length cm colour	10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	
1/8 circle micro-lancet needle											
	44°	150µ	8 Blue	G0090777	G0090778						
	44°	 150µ	30 Blue						C2095129		
Straight micro-lancet needle											
		150µ	23 Blue	G0095068	G0095705						
		150µ	150 Blue	G0095480							
Needle			Thread	USP metric							
length mm			length cm colour	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	
1/2 round bodied needle											
			 30 Blue		C2090603	C2090604					
			 45 Blue		C2090803						
			45 Blue		C0090803						
			60 Blue	G0090016							
			 60 Blue			C2090865					
			2 x 60 Blue			G0095865	G0095866				
			 2 x 75 Blue			G0095858					

C Box of 36 units

B Box of 24 units














G Box of 12 units

M Box of 6 units

Needle		Thread length cm colour	USP metric							
length mm			8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	
1/2 circle round bodied needle										
CV Pass	HR 10 		60							
			75 Blue		C2090401	C2095498 C2090402				
			75 Blue		C0090401	C0090402	C0090403			
CV Pass	2xHR 10 		75 Blue		C2090867	C2090868	C2090869			
			60 75 Blue		C0090867	C0090868	C0090869			
			2 x 75 Blue			G0095878				
CV Pass	2xHR 13f 		45 75 Blue			C2095120 C2095123	C2095124			
			45 Blue			C0095120				
			2 x 75 4 x 75 Blue			G0095127	G0095128 G0095126			
CV Pass	HR 13 		75 Blue			C2090499	C2090500			
			75 Blue			C0090499	C0090500			
			2 x 75 Blue				G0095095			

Premilene®

Needle-thread combination












Needle		Thread	USP metric								
			8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3		
length mm	length cm colour										
1/2 circle round bodied needle											
CV Pass	2xHR 13 		60			C2095935	C2090934	C2090933			
			75		C2090060	C2090953	C2090954		C2090045		
			90					C2090750			
			Blue								
	2xHR 13b 		60			C0090953	C0090954		C0090933		
			75			C0090953	C0090954		C0090750		
			90						C0090750		
	Blue										
	Long pack	2xHR 13b		2 x 60				G0090146			
				2 x 75			G0090625				
	Blue										
	CV Pass	2xHR 17f 		75				C2095448	C2095449		
Blue											
CV Pass	2xHR 17f 		75				C2095501				
Blue											
CV Pass	HR 17 		45							C2090038	
			75				C2090012	C2090013		C2090014	
			120							C2090404	
Blue			Blue								
CV Pass	HR 17 		75				C0090012	C0090013		C0090014	
Blue			90							C2090413	
Blue			Blue								

C Box of 36 units

B Box of 24 units









G Box of 12 units

M Box of 6 units

Needle		Thread	USP metric							
			8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	
length mm		length cm colour								
1/2 circle round bodied needle										
CV Pass		 Blue	45				C2090497	C2090496		
			60				C2090486			
			75				C2090501	C2090503	C2090502	
			90		C2090898		C2090901	C2090902	C2090903	C2090900
			120					C2090904		
			75				C0090501	C0090503	C0090502	
			90		C0090898		C0090901	C0090902	C0090903	C0090900
			120					C0090904		
			Blue							
					 Pledgets 6x3 mm Firm	90				C0090837
			2 x 75					G0095183		
			2 x 90			G0090642	G0090194	G0090644		
			Blue							
CV Pass		 Blue	75			C2095460	C2095461			
			90			C2095492	C2095493	C2095494		
CV Pass		 Blue	90			C2090223	C2090338	C2090426		
			90				C0090338	C0090426		
CV Pass		 Blue	75				C2095503			
			90				C2095526			
CV Pass		 Blue	75				C2090029	C2090030		
			90				C2090129			
			75				C0090029	C0090030		
			Blue							

Premilene®

Needle-thread combination












Needle		Thread	USP metric							
			8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	
length mm	length cm colour									
1/2 circle round bodied needle										
 	 Blue	60				C2090084				
		75					C2090863	C2090860	C2090086	
		90					C2090975	C2090976	C2090977	C2090978
		120						C2090876		C2095276
	 Pledgets 3x3 mm Soft	40							C0095387	
		Blue								
		2 x 90						G0095620		
	 	 Blue	75					C2095507	C2095508	
			90					C2095512	C2095513	
		 Blue	2 x 90					G0095814	G0095815	
Blue										

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units



















Needle		Thread	USP metric						
			7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
length mm	length cm	colour							
1/2 circle round bodied needle									
 	45							C2090068	
	75							C2090042	
	90			C2090039	C2090040	C2090041		C2090043	
	120			C2090037	C2090140			C2090444	
	Blue							C2095712	
	75								
	90			C0090039	C0090040	C0090041	C0090042	C0090043	
	Blue								
	 Pledgets 3x3 mm Firm	20						C0090495	
	 Pledgets 3x3 mm Soft	20						C0095417	
 	75				C2090906	C2090707	C2090708	C2090087	
	90				C2090905	C2090907	C2090908	C2090909	
	120					C2095709	C2090709	C2095710	
	150						C2095851		
	Blue								
	75					C0090906	C0090707	C0090708	C0090087
	90					C0090907	C0090908	C0090909	
	120					C0095709	C0090709	C0095710	
	Blue								
	 Pledgets 6x3 mm Firm	90					C0090910	C0090838	
 Long pack	2 x 90					G0090633	G0090631		
 	75					C2095721		C2095723	
	90					C2095557	C2095558		
	120						C2095545	C2095546	
	Blue								
	 Long pack	2 x 90					G0095993	G0095994	
Blue									

Premilene®

Needle-thread combination











Needle		Thread	USP metric							
			4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	
length mm	length cm colour									
1/2 circle round bodied needle										
Easyslide	HR 26s	75 90 Blue		C2090015	C2095442	C2095443	C2095452 C2095458			
					C0095442	C0095443				
CV/Pass	2xHR 26s	120 Blue		C0090959	C0090956					
Easyslide	HR 26ss	75 90 Blue			C0090032	C0095444	C0090449			
Easyslide	HR 26ss "Take Off"	4 x 45 Blue				G0090073				
Easyslide	HR 30	45 75 90 100 120 Blue		C2090046	C2090069 C2090047	C2090048 C2090477	C2090049 C2090149			
					C2090144					
		75 Blue		C0090046	C0090047	C0090048				
Easyslide	2xHR 30	90 120 Blue		C0090001 C0090462	C0090002					
Easyslide	HR 30s	75 100 Blue				C2090092 C2090096	C2090093 C2090097			
						C0090092	C0090093			
		75 Blue				C0090092	C0090093			

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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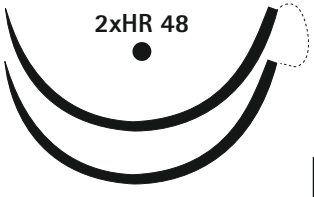




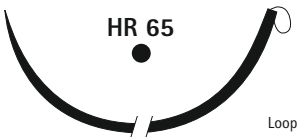

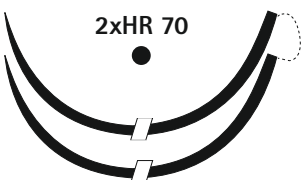



Needle length mm	Thread length cm colour	USP metric						
		4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
1/2 circle round bodied needle								
 HR 30ss 	75 Blue				C0090094			
 HR 37 	75 Blue			C0090051	C0090052	C0090053		
 2xHR 37 	90 120 Blue	C0095401	C0090942 C0090981	C0090943 C0090973				
	 2 x 90 Blue		G0095727					
 HR 37s 	75 120 Blue		C2090150	C2090151 C2090154	C2090152	C2090153		
								
 HR 37s  "Take Off"	4 x 45 Blue				G0090057			
 2xHR 37s 	90 120 Blue		C0090982 C0090971	C0090972				
 HR 37ss 	75 Blue			C2095370				

Premilene®

Needle-thread combination









Needle length mm	Thread length cm colour	USP metric						
		4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
1/2 circle round bodied needle								
 HR 40	75				C2090021			
	100				C2090099	C2090100		
	150					C2095130		
 HR 40s	75				C0090021			
	100				C0090099	C0090100		
	Blue							
 HR 40ss	75			C2090033	C2090199	C2090200		
	100				C2090317	C2090300		
	Blue							
	75				C0090199	C0090200		
 HR 48	90						C0090478	
	100					C0090300		
	Blue							
 HR 40ss	100				C2090106			
	Blue							
 HR 48	100				C0090106			
	Blue							
	75				C2095445	C2090170		
 HR 48	120				C2095146			
	150				C2090333			
	Blue							
 HR 48	75				C0095445	C0090170		
	120					C0095146		
 HR 48	Blue							
	150				C0090332			
 HR 48	Blue							
	Loop							

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm	Thread length cm colour	USP metric						
		4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
1/2 circle round bodied needle								
 2xHR 48 	120 Blue 			G0090931	G0090932			
 HR 65 	120 150 Blue						B0090485	B0095585
 HR 65  Loop	100 240 Blue						B0095578 B0095674	
 2xHR 70 	75 Blue						B0090841	
 HR 76 	150 Blue						B0095587	

Premilene®

Needle-thread combination

Needle		Thread length cm colour	USP metric					
length mm	8/0 0.4		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3
3/8 circle round bodied needle								
CV Pass	DR 6 	 45 Blue	C2090110					
			45 Blue	C0090110				
CV Pass	2xDR 6 	 45 60 75 Blue	C2090880	C2095014				
			C2090712	C2095015	C2095110			
			C2090980	C2095286				
			45 60 75 Blue	C0090880				
			C0090712					
CV Pass	2xDR 8f 	 45 60 Blue	C2090107	C2090079				
			C2090105	C2090088				
			2 x 45	G0090118	G0090124			
			2 x 60	G0090121				
CV Pass	DR 8 	 45 Blue		C2090034				

C Box of 36 units

B Box of 24 units












G Box of 12 units

M Box of 6 units

















Needle		Thread	USP metric									
			8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3			
length mm	length cm colour											
3/8 circle round bodied needle												
CV Pass	2xDR 8	RP	45	C2090703	C2090685	C2090686	C2090684					
			60	C2090887	C2090888	C2090889						
			75	C2090004	C2090885	C2090886						
			Blue									
			45			C0090686	C0090684					
			60	C0090887	C0090888	C0090889						
			75	C0090004	C0090885	C0090886						
			Blue									
			75		G0090089							
			Blue									
			2 x 45	G0090361	G0090362	G0090399						
			2 x 60	G0090363	G0090364							
	2 x 75	G0090892	G0095080									
	Blue											
CV Pass	DR 10f	RP	75		C2095084	C2095431						
			Blue									
CV Pass	2xDR 10f	RP	45	C2090126	C2090134	C2095565						
			60	C2090128	C2090135	C2095477						
			75	C2090131	C2090136	C2095430						
			90			C2095576						
			Blue									
			2 x 45		G0090218							
			2 x 60		G0095485	G0095801						
			2 x 75	G0090216	G0095429	G0095847						
			4 x 45			G0095567						
			Blue									
		CV Pass	DR 10	RP	75		C2090541	C2090542				
					Blue							
	75		C0090541	C0090542								
	Blue											

Premilene®

Needle-thread combination








Needle length mm	Thread length cm colour	USP metric						
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3
3/8 circle round bodied needle								
 2xDR 10 	 Blue	45		C2090614	C2090615			
		60		C2090714	C2090715	C2090522		
		75		C2090914	C2090915	C2090913		
		90		C2090799	C2090815			
	 Pledgets 3x3 mm Soft	Blue	45		C0090614	C0090615		
			60		C0090714	C0090715	C0090522	
			75		C0090914	C0090915		
	 Blue	75			C0095306			
		2 x 45			G0090636			
		2 x 60		G0090611	G0090613			
2 x 75			G0095810	G0095811				
4 x 45			G0090369					
4 x 60			G0090371					
4 x 75			G0090373					
 2xDR 10s 	 Blue	45		C2095600				
		60		C2095602				
		75		C2095604				
 DR 12 	 Blue	45			C2090114			
		75		C2090528	C2090529	C2090530	C2090531	
		75			C0090529	C0090530	C0090531	

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm	Thread length cm colour	USP metric							
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	
3/8 circle round bodied needle									
 	 Blue	45		C2090818	C2090816	C2090817			
		60		C2090828	C2090705	C2090706			
		75		C2090922	C2090916	C2090917	C2090918		
		90			C2090923	C2090924	C2090974		
	 	 Blue	45		C0090818	C0090816			
			60		C0090828	C0090705	C0090706		
			75		C0090922	C0090916	C0090917	C0090918	
			90			C0090923	C0090924		
	 	 Pledgets 6x3 mm Firm	75				C0090825		
			Blue						
		 Blue	2 x 45		G0095515	G0090850			
			2 x 60			G0090651			
2 x 75					G0095818	G0090380			
2 x 90						G0090654			
4 x 60				G0090385	G0090386	G0090387			
Blue									
 		 Blue	75			C2095930	C2095931	C2095932	
			45		C2095885	C2095886	C2095887		
			60		C2095894	C2095895	C2095896		
			75		C2095905	C2095906	C2095907	C2095908	
	 Blue	90			C2095938	C2095939	C2095940		
		Blue							
	 Blue	60			C0095895				
		75			C0095906				
		75			G0095472				
		Blue							
	 Blue	2 x 45			G0095957				
		2 x 60			G0095970				
2 x 75				G0095979					
Blue									

Premilene®

Needle-thread combination
















Needle		Thread	USP metric							
			8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	
length mm	length cm colour									
3/8 circle round bodied needle										
CV Pass	2xDR 13s	 Blue	60		C2095029	C2095032	C2095033			
			75		C2095024	C2095026	C2095027			
			90				C2095021			
			Blue							
		 Blue	2 x 60		G0095012		G0095016			
			2 x 75			G0095011				
			2 x 90				G0095009			
			Blue							
CV Pass	2xDR 15	 Blue	90				C2090716	C2090717		
			Blue							
			90				C0090716			
			Blue							
CV Pass	DR 18	 Blue	75				C2090119	C2090120	C2095057	
			Blue							
			75				C0090119	C0090120		
			Blue							
		 Blue	75				C2090719	C2090720		
			90				C2090919	C2090920	C2095921	
			Blue							
			75				C0090719	C0090720		
			90				C0090919	C0090920	C0095921	
			Blue							
CV Pass	2xDR 18	 Pledgets 6x3 mm Firm	90					C0095215		
			Blue							
		 Blue	2 x 75				G0095719			
			2 x 90				G0095659	G0090659		
			4 x 75				G0090394			
			Blue							

C Box of 36 units

B Box of 24 units
















G Box of 12 units

M Box of 6 units
















Needle		Thread	USP metric							
			8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	
length mm	length cm	colour								
3/8 circle round bodied needle										
 2xDR 18b 		75					C2095237	C2095238		
		90					C2095242	C2095243		
		Blue								
		75						C0090085		
		90						C0090123		
		Blue								
 DR 22 		20							C0090492	
	Pledgets 3x3 mm Firm	Blue								
		20						C0090991		
	Pledgets 3x3 mm Firm Knot	Blue								
		20							C0095396	
	Pledgets 3x3 mm Soft	Blue								
 2xDR 22 		75						C2090722	C2090723	C2090721
		90					C2090821	C2090822	C2090823	C2090824
		Blue								
		75						C0090722	C0090723	
		90						C0090822		
		Blue								
 DR 26 		75								C2090132
		Blue								
		20							C0090993	
	Pledgets 3x3 mm Firm Knot	Blue								

Premilene®

Needle-thread combination



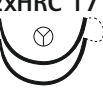



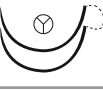









Needle		Thread	USP metric							
length mm	length cm colour		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	
3/8 circle round bodied needle										
			75						C2090724	C2090725
			Blue							
			75						C0090724	C0090725
			Blue							
			75						C2090082	C2090083
			Blue							
			75						C0090082	C0090083
			Blue							
Needle		Thread	USP metric							
length mm	length cm colour		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
5/8 round bodied needle										
			45						C2090156	
			75						C2095360	C2090066
			Blue							
			75						C0095360	
			Blue							
Round bodied ski needle										
			30			C2095421	C2090422			
			Blue							
Progressive curved round bodied needle										
			30						C2090243	
			Blue							
			30						C0090243	
			Blue							

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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







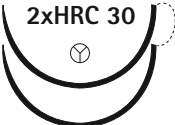
Needle	Thread	USP metric									
		length mm	length cm	6/0	5/0	4/0	3/0	2/0	0	1	
		mm	cm	0.7	1	1.5	2	3	3.5	4	
Straight round bodied needle											
 GR 19 		45	C2090465	C2090466							
		Blue									
		45		G0090466							
		Blue									
 2xGR 65 		75					C0095350	C0095351			
		Blue									
 2xGR 70 		75					C0090771				
		Blue									
 2xGR 75 		75					C0090797				
		Blue									
1/2 round bodied needle with short cutting point											
 2xHRC 10 		60		C2095495							
		75		C2095205							
		Blue									
		60		C0095495							
		75		C0095205							
		Blue									
		2 x 60	G0095794	G0095795							
		Blue									
 2xHRC 13 		75	C2095039	C2090303	C2090145						
		90	C2095020								
		Blue									
		90	C0095020								
		Blue									
		2 x 75	G0095276	G0095043	G0095047						
		Blue									

Premilene®

Needle-thread combination


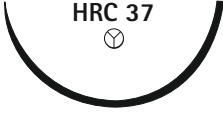

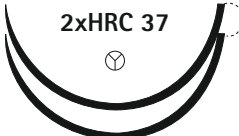

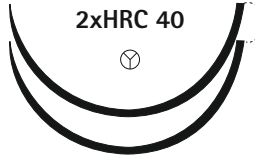






Needle length mm	Thread length cm colour	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
1/2 round bodied needle with short cutting point								
CV Pass 		75 Blue		C2090560	C2090561	C2090579		
		75 90 120 Blue		C2090695 C2090570	C2090704 C2090571	C2090711 C2090800	C2095052 C2095668	
CV Pass 		90 Blue		C0090570	C0090571		C0095052	
		 Pledgets 6x3 mm Soft	90 Blue			C0095367		
			2 x 90 Blue		G0095168	G0095169	G0095182	
CV Pass 		75 90 Blue		C2095569 C2095580	C2095570 C2095581			
CV Pass 		75 90 Blue				C2095352 C2095372	C2095353 C2095373	
CV Pass 		75 Blue		C2090567	C2090565	C2090566	C2095572	
		75 90 120 Blue		C2095059		C2090580 C2095066	C2090581	
			2 x 90 Blue			G0095162		
CV Pass 		75 90 Blue		C0095059		C0090580 C0090581		
		2 x 90 Blue			G0095162			

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm	Thread length cm colour	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
1/2 round bodied needle with short cutting point								
 2xHRC 22b 		75						
		90						
		Blue			C2095592	C2095574		
 HRC 26 		75		C2090471	C2090472	C2090473	C2090474	C2095796
		90				C2095787	C2095788	
		Blue						
		75		C2090806	C2090807	C2090808		
		90		C2090810	C2090811	C2090812	C2095825	C2095779
		Blue			C2095771	C2090820	C2095140	
 2xHRC 26 		90			C0090811	C0090812	C0095825	
		120			C0095771	C0090820	C0095140	
		Blue						
		90				C0095377		
		Blue						
		2 x 75			G0095759			
		2 x 90				G0095760	G0095761	
		Blue						
 2xHRC 26b 		75			C2095736	C2095737	C2095738	
		90			C2095607	C2095608		
		Blue				C2095597	C2095598	
		2 x 75			G0095942	G0095943	G0095944	
		2 x 90			G0095964	G0095965		
		Blue						
 2xHRC 27 		75				C2095207	C2095208	
		90				C2095227	C2095228	
		Blue						
 2xHRC 27b 		75					C2095642	
		90						C2095670
		Blue						
 2xHRC 30 		90				C0090584	C0090585	
		Blue						

Premilene®

Needle-thread combination









Needle		Thread length cm colour	USP metric					
length mm	6/0 0.7		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
1/2 round bodied needle with short cutting point								
		75 Blue						C2095048 C2095734
		120 Blue				G0095403		
		90 Blue					C0090831	
Needle		Thread length cm colour	USP metric					
length mm	8/0 0.4		7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3
3/8 round bodied needle with short cutting point								
		45 60 75 Blue	C2095209 C2095246 C2095272	C2095219 C2095251 C2095288				
		60 75 Blue	C2095025 C2090169	C2095046 C2090176	C2090172			
		60 75 Blue		C0095046 C0090176				
		2 x 60 2 x 75 Blue	G0095178 G0090168	G0095179				
		75 Blue		C2090538	C2090539			
		75 Blue		C0090538	C0090539			

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm		Thread length cm colour	USP metric						
			8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3
3/8 round bodied needle with short cutting point									
	2xDRC 10 	60	C2090116	C2090544	C2090543				
		75		C2090545	C2090546				
		90				C2090930			
		Blue							
									
	2xDRC 10 	60		C0090544	C0090543				
		75		C0090545	C0090546				
		90				C0090930			
		Blue							
		75		G0095180					
		Blue							
		2 x 60		G0090179	G0090202				
		2 x 75		G0095560	G0095561				
		Blue							
									
	2xDRC 10s 	75		C2095324	C2095325				
		Blue							
		2 x 75		G0095323					
		Blue							
									
	DRC 12 	45				C2090405			
		75		C2090549	C2090550	C2090551	C2090552		
		Blue							
		75			C0090550	C0090551	C0090552		
		Blue							

Premilene®

Needle-thread combination






















Needle		Thread	USP metric							
			8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	
length mm	length cm colour									
3/8 round bodied needle with short cutting point										
CV Pass	2xDRC 12 	45		C2095241						
		60		C2090537	C2090524					
		75		C2090554	C2090555	C2090556	C2090557			
		90				C2090756				
		Blue								
		60			C0090524					
		75		C0090554	C0090555	C0090556	C0090557			
		90				C0090756				
		Blue								
				75			G0095170			
		Blue								
		2 x 75			G0090185	G0095186				
		4 x 75			G0090183	G0090178				
		Blue								
CV Pass	DRC 13 	75			C2095144	C2095145				
		Blue								
CV Pass	2xDRC 13 	45			C2095173					
		60		C2095268	C2095271					
		75		C2095301	C2095175	C2095141				
		90		C2095303	C2095305	C2095171				
		Blue								
		2 x 45			G0095174					
		2 x 75			G0095176	G0095177				
		Blue								
CV Pass	2xDRC 13s 	75				C2095334				
		Blue								

C Box of 36 units

B Box of 24 units





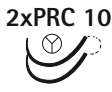







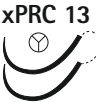




G Box of 12 units

M Box of 6 units




























Needle	Thread	USP metric								
		length mm	length cm	6/0	5/0	4/0	3/0	2/0	0	1
			colour	0.7	1	1.5	2	3	3.5	4
3/8 round bodied needle with short cutting point										
 2xDRC 15 		75 90	Blue		C2095756 C2090728					
 DRC 18 		75	Blue		C2095164	C2095165	C2095166			
 2xDRC 18 		75 90	Blue		C2090525	C2095195 C2090526	C2090527			
		75 90	Blue		C0095194 C0090525	C0095195 C0090526				
 2xDRC 18b 		2 x 90	Blue			G0095222				
		75 90	Blue		C2095247 C2095438	C2095248 C2095439				
 2xDRC 22 		2 x 75 2 x 90	Blue		G0095252 G0095261	G0095253 G0095262				
		90 120	Blue			C2090535 C2095662	C2090536			
 DRC 26 		75	Blue			C2095644	C2095645			

Premilene®

Needle-thread combination







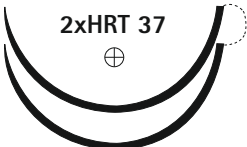




Needle		Thread length cm colour	USP metric						
length mm	6/0 0.7		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
3/8 round bodied needle with short cutting point									
 		75			C2095631	C2095634			
		90			C2095630	C2095633	C2095636		
		120			C2095629	C2095632			
		Blue							
Progressive curved round bodied needle with short cutting point									
 		60			C2095062				
		75			C2095064				
		Blue							
		2 x 75			G0095053				
		Blue							
 		75			C2095096				
 		75			C2095097	C2095101			
		90			C2095100	C2095103			
		Blue							
 		120						C2095150	
		Blue							

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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





























Needle length mm	Thread length cm colour	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
1/2 round bodied needle with trocar point								
 2xHRT 13 	 75 Blue		C2090833					
 HRT 17 	 75 Blue		C2090312	C2090313				
	 75 Blue		C0090312	C0090313				
	 75 90 Blue			C2090827	C2090075			
 2xHRT 17 	 90 Blue		C2090925	C2090926	C2090927	C2090928		
	 75 90 Blue			C0090827				
	 90 Blue		C0090925	C0090926	C0090927	C0090928		
	 90 Blue			C0090871				
 HRT 22 	 75 Blue			C2090325	C2090326	C2090327		
	 75 Blue			C0090325	C0090326	C0090327		
 2xHRT 22 	 90 Blue			C2090935	C2090936			
	 90 Blue			C0090935	C0090936			
 HRT 26 	 75 90 Blue			C2090340	C2090341	C2090342	C2090343	
	 90 Blue				C2090844	C2090067		
	 75 Blue			C0090340	C0090341	C0090342	C0090343	

Premilene®

Needle-thread combination













Needle		Thread	USP metric							
			5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
length mm	length cm colour									
1/2 round bodied needle with trocar point										
Easyslide	2xHRT 26 		90	C2090940	C2090003	C2090937	C2090938	C2090939		
			120 Blue		C2090736	C2090737	C2090738			
			90		C0090003	C0090937	C0090938			
			120 Blue		C0090736	C0090737	C0090738			
Easyslide	HRT 30 		100						C0090019	
			Blue							
Easyslide	2xHRT 30 		90			C0090730				
			Blue							
Easyslide	HRT 37 		75				C2090458		C2090463	
			100 Blue					C2090154	C2090071	
			75						C0090463	
			100 Blue					B0090454		
Easyslide	2xHRT 37 		90			C0090834	C0090835			
			120			C0090734	C0090735			
			Blue							
Easyslide	HRT 37s 		75						C2095463	
			Blue							
			75						C0095463	
			Blue							
Easyslide	HRT 43s 		100							C0090035
			Blue							
Easyslide	HRT 48 		150						B0090336	B0090335
			200							B0090337
			Blue							

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle	Thread	USP metric								
		length mm	length cm	8/0	7/0	6/0	5/0	4/0	3/0	2/0
			colour	0.4	0.5	0.7	1	1.5	2	3
3/8 round bodied needle with trocar point										
 2xDRT 10 		75				C2090005				
		Blue								
 DRT 12 		75				C0090005	C0090006			
		Blue								
 2xDRT 12 		75				C2090306	C2090307			
		Blue								
 DRT 15 		75				C0090306	C0090307			
		Blue								
 2xDRT 15 		75				C2090763	C2090764			
		Blue								
 DRT 18 		2 x 75				G0095856				
		Blue								
 DRT 15 		75				C2090308				
		Blue								
 2xDRT 15 		75				C0090308	C0090309			
		Blue								
 DRT 18 		75					C2090766			
		Blue								
 DRT 18 		75					C0090766			
		Blue								
 DRT 18 		75					C2090319	C2090320	C2090321	
		Blue								
 DRT 18 		75					C0090319	C0090320	C0090321	
		Blue								

Premilene®

Needle-thread combination

















Needle length mm	Thread length cm colour	USP metric								
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3		
3/8 round bodied needle with trocar point										
 DRT 18 	 30 Blue					C2095345				
							C0095345			
 2xDRT 18 	 75 90 Blue				C2090744	C2090745 C2090945	C2090946			
						C0090744	C0090745 C0090945	C0090946		
 DRT 26 	 75 Blue						C2090534			
							C0090533	C0090534		
 2xDRT 26 	 75 90 120 Blue					C2090848 C2090748	C2090849 C2090749			
								C0090849		
								C0090948 C0090748	C0090749	

C Box of 36 units

B Box of 24 units






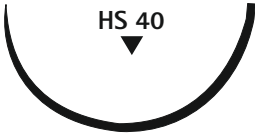









G Box of 12 units

M Box of 6 units



















Needle length mm	Thread length cm colour	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
1/2 round bodied needle with blunt point								
 HRN 45 	100 Blue							C0090643
1/2 reverse cutting needle								
 HS 15 	75 Blue			C0090259				
 HS 18 	 45 Blue		C2090264					
	45 Blue		C0090264					
 HS 21 	 75 Blue				C2090461			
	45 Blue		C0095775					
	75 Blue		C0090460		C0090461			
 HS 26 	 75 Blue				C2090269	C2090270	C2090271	
	75 Blue				C0090269	C0090270	C0090271	
 HS 30 	 45 Blue					C2095466		
	75 Blue				C0090274	C0090275	C0090276	

Premilene®

Needle-thread combination

Needle length mm	Thread length cm colour	USP metric						
		4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
1/2 reverse cutting needle								
 	75 Blue				C0090280			
 	75 Blue						C0095321	
 	75 100 Blue				C2090281 C2095912	C2090287		
	75 Blue					C0090287		
 	100 Blue						C0090304	
Needle length mm	Thread length cm colour	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
3/8 reverse cutting needle								
 	45 Blue		C2090204					
	45 75 Blue		C2090206 C2095543	C2090207	C2090208	C2090205		
 	45 75 Blue		C0090206 C0095543	C0090207	C0090208	C0090205		

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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

















Needle length mm	Thread length cm colour	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
3/8 reverse cutting needle								
 2xDS 12 		60 Blue	C2090829					
		45 75 Blue	C2090211	C2090212 C2090512	C2090213 C2090513	C2090214 C2090514		
 DS 16 		45 75 Blue	C0090211	C0090212 C0090512	C0090213 C0090513	C0090214 C0090514		
		30 Blue				G2090215		
 DS 16  Loop		30 Blue				G2090215		
		30 Blue				G0090215		
 DS 19 		30 45 60 75 Blue	C2095400	C2090219 C2090101 C2090519	C2090420 C2090220 C2090520	C2090421 C2090221	C2090222 C2095522	
		30 45 60 75 Blue		C0090219 C0090101 C0090519	C0090420 C0090220	C0090421 C0090221	C0090222 C0095522	
		30 Blue			G2090217			
		30 Blue			G0090217			
 DS 19  Loop		30 Blue			G2090217			
		30 Blue			G0090217			
 DS 24 		45 60 75 90 Blue		C2090233	C2090234	C2090434 C2090102 C2090235	C2090435 C2090236	C2090436 C2090237 C2090072
		45 75 Blue		C0090233	C0090234	C0090434 C0090235	C0090435 C0090236	C0090237 C0090238

Premilene®

Needle-thread combination









Needle		Thread length cm colour	USP metric						
length mm	6/0 0.7		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
3/8 reverse cutting needle									
Easyslide	DS 30	45			C2090445	C2090446	C2090447		C2090440
		75			C2090245	C2090246	C2090247	C2090248	C2095200
		Blue							
Easyslide	DS 35	45				C0090446	C0090447		C0090440
		75			C0090245	C0090246	C0090247	C0090248	C0095200
		Blue							
Easyslide	DS 35	75				C0090230			
		Blue							
3/8 reverse cutting needle									
Needle		Thread length cm colour	USP metric						
length mm	4/0 1.5		3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	
3/8 reverse cutting needle									
Easyslide	DS 39	75		C2090254	C2090255	C2090256	C2090257		
		90					C2095488		
		Blue							
Easyslide	DS 45	75		C0090254	C0090255	C0090256	C0090257		C0090244
		100			C0090249				
		Blue							
Easyslide	DS 45	100					C2095190		
		Blue							
Easyslide	2xDS 60	75			B0090751				
		Blue							
Easyslide	DS 76	75			C0090774				
		Blue							
Easyslide	DS 76	3 x 50						B0090288	
		Blue							
Easyslide	DS 90	75					C0090262		
		90			C0090258				
		Blue							

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm	Thread length cm colour	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
Straight reverse cutting needle								
 2xGS 20 	15 Blue		C0090310					
 GS 51 	75 Blue				C0090284	C0090285		
 GS 60 	75 Blue				C0090265	C0090266	C0090267	
 2xGS 60 	75 Blue				C0090881			
 GS 75 	100 Blue				C0090298	C0090292	C0090293	
1/2 reverse cutting needle with precision point								
 HSMP 12 	45 Blue		C0090027					
Needle length mm	Thread length cm colour	USP metric						
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3
3/8 reverse cutting needle with precision point								
 DSMP 7 	 45 Blue		C2090612					
	45 Blue		C0090612	C0095613				
 DSMP 11 	 45 75 Blue		C2090606 C2090406	C2090607 C2090407	C2090608			
	45 Blue		C0090406		C0090608			

Premilene®

Needle-thread combination

Needle		Thread length cm colour	USP metric					
length mm	6/0 0.7		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
3/8 reverse cutting needle with precision point								
Easyslide	DSMP 16 	 45 75 Blue	C2090628	C2090629	C2090630	C2090481		
			C2090428	C2090429	C2090427			
Easyslide	DSMP 19 	 45 75 Blue		C2090675	C2090676	C2090677	C2090678	
				C2090672	C2090673	C2090674		
Easyslide	DSMP 24 	 45 75 Blue			C2090655	C2090656	C2090657	
					C2090680	C2090681	C2090682	
Easyslide	DSMP 30 	 45 75 Blue					C2090667	
							C0090667	C0090692

PremiCron®

Non-absorbable sutures

Description

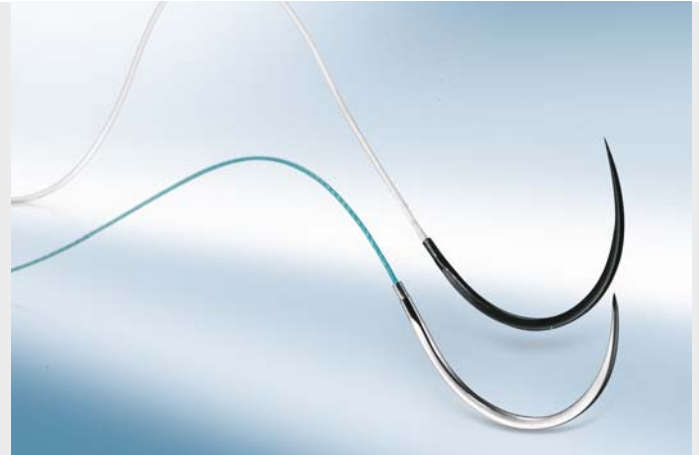
PremiCron® is a non-absorbable braided and coated synthetic multifilament composed of polyester fibres.

PremiCron® sutures are coated uniformly with silicone to increase surface lubricity, thereby enhancing handling characteristics.

Available in single packs (1 or 2 sutures) or multipacks (4 or 8 sutures) either green or white.

Indications

- General surgery
- Cardiovascular surgery
- Vascular surgery



Advantages

- Unique PTFE oval pledget design improving adaptability to underlying anatomical structures
- Excellent knot run-down and knot security
- Minimised tissue drag and sawing
- 300 series stainless steel needles for superior breaking resistance

Easyslide

- New generation of needles for cardiovascular indication: CV pass and CV pass easyblack



















PremiCron®

Product overview

Structure	Braided
Colour	Green or white
Chemical composition	Polyester
Coating	Silicone
Origin	Synthetic
Sizes	USP 6/0 (0.7 metric) to USP 5 (7 metric)
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation Ethylene oxide (combinations with PTFE pledgets)

PremiCron®

Needle-thread combination

















Needle			Thread	USP metric						
length mm	angle	diameter microns	length cm colour	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
1/2 circle lancet needle with micro-point										
	2xHLM 8 	180°	330µ	45 White		G0027062				
1/4 circle lancet needle with micro-point										
	2xVLM 6 	90°	330µ	45 White		G0027895				
		90°	330µ	45 Green		G0026155				
	2xVLM 8 	90°	330µ	45 White	G0027114	G0027115				
		90°	430µ	45 White			G0027116			
1/2 circle round bodied needle										
	2xHR 10f 			75 Green		C0026213				
	HR 10 			45 Green	C0026008	C0026009	C0026010			
	2xHR 10 			75 Green		C0026695				
			 Pledgets 3x3 mm Firm	90 Green		C0026792				
	HR 13 			45 75 Green		C0026029	C0026030 C0026152	C0026031 C0026032		
				4 x 75 Green			M0026699			

C Box of 36 units

B Box of 24 units














G Box of 12 units

M Box of 6 units

Needle		Thread	USP metric							
			6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
length mm		length cm colour								
1/2 circle round bodied needle										
	HR 13  "Take off"	4 x 75 Green			C0026477					
	2xHR 13 	75 Green		C0026843	C0026844	C0026845				
	HR 17 	75 Green		C0026003	C0026004	C0026005	C0026006			
	HR 17  "Take off"	4 x 45 4 x 75 Green			C0026704 C0026700	C0026740				
		45 75 90 Green	C0026802	C0026803 C0026903	C0026804 C0026904	C0026805 C0026905	C0026606 C0026806 C0026906			
		75 90 White			C0027455		C0027457 C0027906			
	2xHR 17 	 4 x 75 Green			M0026708					
		 8 x 75 G/W					M0027775			
		  Pledgets 3x3 mm Firm 4 x 45 8 x 75 G/W					M0027764 M0027802			
		  Pledgets 6x3 mm Firm 8 x 75 G/W					M0027776			

PremiCron®

Needle-thread combination










Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
1/2 circle round bodied needle									
  2xHR 17b		75 Green						C0026211	
		Pledgets 3x3 mm Firm	75 Green						C0026252
		Pledgets 3x3 mm Soft	75 Green						C0026257
			8 x 75 G/W						M0027151
		 Pledgets 3x3 mm Firm	4 x 75 8 x 75 G/W						M0027090 M0027119
		 Pledgets 3x3 mm Soft	4 x 75 8 x 75 G/W						M0027105 M0027133
			  Pledgets 3x3 mm Firm	8 x 75 G/W					M0027178

C Box of 36 units

B Box of 24 units



















G Box of 12 units

M Box of 6 units

Needle		Thread	USP metric						
			6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
length mm	length cm colour								
1/2 circle round bodied needle									
		90 White						C0027591	
		 75 Green						C0026907	
		Pledgets 6x3 mm Firm							
		75 White						C0027010	
		 8 x 75 G/W						M0027953	
		Multi pack							
		 4 x 75 8 x 75 G/W						M0027905 M0027706	
		Multi pack							
		 8 x 75 G/W						M0027945	
		Multi pack							
		 8 x 75 G/W						M0027525	
		Multi pack							
		45 75 Green			C0026024	C0026025	C0026026	C0026007	

PremiCron®

Needle-thread combination













Needle length mm	Thread length cm colour	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
1/2 circle round bodied needle								
 		75			C0026763		C0026737	
		90			C0026730	C0026731	C0026732	
		Green						
		75			C0026735	C0026307	C0026733	
	Pledgets 6x3 mm Firm	Green						
		75					C0027034	
		White						
		2 x 75					B0027718	
	Pledgets 6x3 mm Firm	G/W						
		8 x 75					M0027705	
	G/W							
	8 x 75					M0027605		
	8 x 90					M0027704		
Pledgets 6x3 mm Firm	G/W							
	8 x 75					M0027867		
	G/W							
 		75					C0026265	
		Green						
		75					C0026460	
	Pledgets 6x3 mm Firm	Green						
		75					C0026493	
	Pledgets 6x3 mm Soft	Green						
		8 x 75					M0027181	
		G/W						
		4 x 75					M0027157	
		8 x 75					M0027169	
Pledgets 6x3 mm Firm	G/W							
	4 x 75					M0027163		
	8 x 75					M0027175		
Pledgets 6x3 mm Soft	G/W							

C Box of 36 units

B Box of 24 units










G Box of 12 units

M Box of 6 units

Needle		Thread	USP metric					
			5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
length mm		length cm colour						
1/2 circle round bodied needle								
	2xHR 22ss  "Take off"	4 x 45 Green				C0026736	B0026729	
	2xHR 22ss 	75 Green						C0026070
	2xHR 23 	75 Green				C0026598		
	  Pledgets 6x3 mm Firm	8 x 75 G/W				M0027232		
		75 90 120 Green		C0026014	C0026015	C0026016 C0026049	C0026017 C0026111	C0026018
	HR 26 	75 White				G0027016		
		4 x 75 Green				M0026725		
		4 x 75 White				M0027112		

PremiCron®

Needle-thread combination















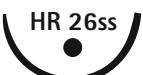



Needle length mm	Thread length cm colour	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle									
 	 Pledgets 6x3 mm Firm	75			C0026738	C0026739			
		90		C0026814	C0026815	C0026816	C0026817		
	 Pledgets 3x3 mm Firm	75				C0027839			
		90				C0027816	C0027817		
	 Pledgets 6x3 mm Firm	90			C0026915	C0026916			
		90				C0027306			
	 Multi pack		4 x 75				M0027700		
			8 x 75				M0027715		
	 Multi pack		8 x 90				M0027713		
			G/W						
	 Multi pack		8 x 75				M0027716		
			8 x 90				M0027717		
 Multi pack		4 x 75					M0027759		
		4 x 90			M0027752				
		8 x 75				M0027766			
		8 x 90				M0027712			
		G/W							

C Box of 36 units

B Box of 24 units

G Box of 12 units
















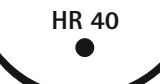


M Box of 6 units

Needle		Thread	USP metric					
			4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
length mm	colour	length cm						
1/2 circle round bodied needle								
 		75 Green			C0026500			
	 Pledgets 6x3 mm Firm	75 Green			C0026522			
	 Pledgets 6x3 mm Soft	75 Green			C0026527			
		8 x 75 G/W			M0027205			
	 Pledgets 6x3 mm Firm	4 x 75 8 x 75 G/W			M0027187 M0027199			
	 Pledgets 6x3 mm Soft	4 x 75 8 x 75 G/W			M0027193 M0027211			
	 	75 Green			C0026052	C0026050	C0026051	B0026053
  "Take off"	4 x 45 Green			C0026724	B0026019			
 		90 Green					C0026255	
		2 x 75 Green			C0026768			
		4 x 75 G/W					B0027148	
  "Take off"	4 x 45 Green				B0026020			
 	 Pledgets 6x3 mm Firm	8 x 75 G/W			M0027280			

G/W = Green / White

PremiCron®

Needle-thread combination



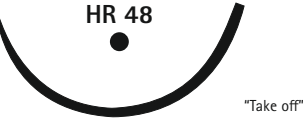

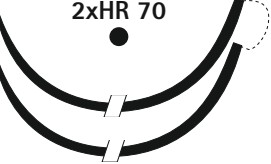
Needle length mm	Thread length cm colour	USP metric						
		3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	5 7
1/2 circle round bodied needle								
 HR 30 	75 90 Green	C0026056	C0026057 C0026928	C0026058		C0026059		
 HR 37 	75 Green	C0026035	C0026036	C0026037	C0026038	C0026039		
 2xHR 37 	75 90 Green	C0026750	C0026836	C0026837 C0026752				
 HR 37s 	75 90 Green		C0026066	C0026067 C0026267	C0026068 C0026277	C0026069 C0026759		
 HR 37s 	4 x 45 Green			B0026727				
 2xHR 37s 	60 Green					C0026840		
 HR 37ss 	75 Green		C0026079					B0026191
 HR 40 	75 90 Green				C0026074 C0026972	B0026075	B0026425	B0026083
 HR 40s 	75 Green					B0026513		

C Box of 36 units

B Box of 24 units








G Box of 12 units

M Box of 6 units

Needle	Thread	USP metric									
		length mm	length cm	colour	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	5 7
1/2 circle round bodied needle											
 HR 40ss	75								C0026275		
 HR 48	75					C0026098	C0026080	C0026182	B0026082		
	75									B0027082	
 HR 48 "Take off"	4 x 45					B0026065	B0026721				
 2xHR 48	75								C0026720		
	Green										
 2xHR 70	75								C0026696		
	Green										

PremiCron®

Needle-thread combination
















	Needle length mm	Thread length cm colour	USP metric						
			7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
3/8 circle round bodied needle									
CV Pass	2xDR 8 	45 Green			C0026822				
		45 75 White		C0027069	M0027822				
CV Pass	2xDR 10 	75 Green		C0026871					
CV Pass	DR 12 	45 Green			C0026121				
CV Pass	2xDR 12 	75 Green		C0026852	C0026853	C0026854	C0026859		
		75 White			C0027853	C0027854			
		 Pledgets 3x3 mm Firm	75 Green				C0026954		
CV Pass	DR 15 	75 Green			C0026130	C0026131			
CV Pass	DR 18 	75 Green			C0026104	C0026105			

C Box of 36 units

B Box of 24 units

G Box of 12 units











M Box of 6 units

Needle		Thread length cm colour	USP metric						
length mm	6/0 0.7		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
3/8 circle round bodied needle									
	2xDR 18 	75 90 Green		C0026863	C0026864	C0026865 C0026858	C0026883		
		8 x 90 G/W					M0027769		
	DR 22 	30 Green					C0026127		
	2xDR 22 	75 Green				C0026226	C0026227		
	DR 26 	75 100 Green				C0026136	C0026137 C0026139		
	2xDR 26 	90 Green					C0026873		
Needle		Thread length cm colour	USP metric						
length mm	5/0 1		4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
3/8 circle round bodied needle									
	DR 32 	75 Green				C0026141	C0026142	C0026238	C0026239
	2xDR 48 	75 Green				C0026328	C0026071		

G/W = Green / White

PremiCron®

Needle-thread combination










Needle	Thread	USP metric						
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
length mm	length cm colour							
5/8 circle round bodied needle								
 FR 36 	90 Green					C0026268	C0026089	
Hook needle with taper point								
 JR 30s 	75 Green						C0026977	
Round bodied ski needle								
 SKR 19 	30 Green			C0026535	C0026536			
 SKR 26 	30 120 Green			C0026540 C0026546	C0026550 C0026046	C0026549		
Straight round bodied needle								
 GR 19 	45 75 120 Green		C0026113	C0026041	C0026045	C0026992		

C Box of 36 units

B Box of 24 units























G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle with short cutting point									
  HRC 17	75	C0026936	C0026937						
	Green								
	75					C0026250			
	90			C0026305	C0026306				
	Green								
	90					C0027317			
	White								
  2xHRC 17	 Pledgets 3x3 mm Firm	75				C0026249			
	Green								
	75			C0026240	C0026248	C0026251			
	90				C0026308				
	Green								
	 Pledgets 6x3 mm Firm	2 x 90					B0027875		
	G/W								
	 Pledgets 3x3 mm Soft	75					C0026560		
	Green								
	 Pledgets 6x3 mm Soft	75					C0026563		
Green									
	4 x 75					M0027921	M0027585		
	4 x 75					M0027722			
	G/W								

PremiCron®

Needle-thread combination






















Needle		Thread	USP metric						
			5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
length mm		length cm colour							
1/2 circle round bodied needle with short cutting point									
CV Pass	2xHRC 17	  Pledgets 3x3 mm Firm	8 x 75 G/W				M0027738		
		  Pledgets 6x3 mm Firm	4 x 75 8 x 75 G/W				M0027628 M0027723	M0027579 M0027675	
		  Pledgets 3x3 mm Soft	4 x 75 4 x 90 8 x 75 G/W			M0027961	M0027824 M0027819		
		  Pledgets 6x3 mm Soft	4 x 75 4 x 90 8 x 75 G/W			M0027969	M0027813 M0027811		
			75 Green				C0026538		
		  Pledgets 3x3 mm Firm	75 Green				C0026556		
		  Pledgets 6x3 mm Firm	75 Green				C0026579		
		  Pledgets 3x3 mm Soft	75 Green				C0026568		
		  Pledgets 6x3 mm Soft	75 Green				C0026587		
		  Pledgets 3x3 mm Firm	8 x 75 G/W				M0027253		
  Pledgets 3x3 mm Firm	4 x 75 8 x 75 G/W				M0027217 M0027241				
  Pledgets 6x3 mm Firm	4 x 75 8 x 75 G/W				M0027229 M0027259				

C Box of 36 units

B Box of 24 units

G Box of 12 units










M Box of 6 units

Needle		Thread	USP metric								
			6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4		
length mm		length cm colour									
1/2 circle round bodied needle with short cutting point											
 2xHRC 17b 		 Pledgets 3x3 mm Soft	4 x 75						M0027223		
		8 x 75 G/W						M0027247			
		 Pledgets 6x3 mm Soft	4 x 75							M0027235	
		8 x 75 G/W							M0027265		
 2xHRC 18 		 Pledgets 3x3 mm Firm	75							C0026638	
		2 x 75 G/W								B0027298	
		 Pledgets 6x3 mm Firm	75							C0026646	
		Green									
		 Pledgets 3x3 mm Soft	75							C0026570	
		Green									
		 Pledgets 6x3 mm Soft	75							C0026577	
		Green									
				8 x 75							M0027498
		G/W									
			 Pledgets 3x3 mm Firm	8 x 75							M0027480
		G/W									
		 Pledgets 6x3 mm Firm	8 x 75							M0027486	
	G/W										
		 Pledgets 3x3 mm Soft	8 x 75							M0027828	
	G/W										
		 Pledgets 6x3 mm Soft	4 x 75							M0027832	
		8 x 75 G/W								M0027834	

G/W = Green / White

PremiCron®

Needle-thread combination

Needle length mm	Thread length cm colour	USP metric						
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle with short cutting point								
	75 Green				C0026592			
	75 Green				C0026596			
Pledgets 3x3 mm Firm								
	75 Green				C0026608			
Pledgets 6x3 mm Firm								
	75 Green				C0026600			
Pledgets 3x3 mm Soft								
	75 Green				C0026612			
Pledgets 6x3 mm Soft								
 Multi pack	8 x 75 G/W				M0027353			
	4 x 75 8 x 75 G/W				M0027271 M0027295			
Pledgets 3x3 mm Firm								
	4 x 75 8 x 75 G/W				M0027283 M0027360			
Pledgets 6x3 mm Firm								
	4 x 75 8 x 75 G/W				M0027277 M0027302			
Pledgets 3x3 mm Soft								
	4 x 75 8 x 75 G/W				M0027289 M0027368			
Pledgets 6x3 mm Soft								








C Box of 36 units

B Box of 24 units

G Box of 12 units


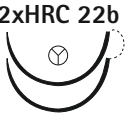









M Box of 6 units

Needle		Thread	USP metric						
			5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
length mm	colour	length cm							
1/2 circle round bodied needle with short cutting point									
CV Pass		75		C0026156					
		100				C0026296			
		Green							
		4 x 90						B0027978	
		G/W							
		90				C0026323			
		Green							
		75				C0026263			
		90				C0026321	B0026899		
		Green							
	 Pledgets 6x3 mm Firm	90					C0027537		
		White							
	 Pledgets 6x3 mm Soft	75				C0026585			
		Green							
		4 x 75				M0027549	M0027107		
		4 x 90				M0027616	M0027610		
		8 x 75				M0027102			
		G/W							
	Multi pack	4 x 75				M0027949	M0027108		
		4 x 90				M0027685	M0027618		
		G/W							
	 Pledgets 6x3 mm Firm	4 x 90				M0027617			
		8 x 75				M0027100			
		G/W							
	Multi pack	4 x 75				M0027836			
		8 x 75				M0027841			
		G/W							
	 Pledgets 6x3 mm Soft								

G/W = Green / White

PremiCron®

Needle-thread combination










Needle	Thread	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle with short cutting point									
  2xHRC 22b	75 Green					C0026616			
	 Pledgets 6x3 mm Firm	75 Green					C0026620		
	 Pledgets 6x3 mm Soft	75 Green					C0026625		
	 Multi pack	8 x 75 G/W					M0027414		
	 Pledgets 6x3 mm Firm	8 x 75 G/W					M0027391		
	 Pledgets 6x3 mm Soft	4 x 75 8 x 75 G/W					M0027383 M0027402		
	 Multi pack								
  HRC 26	75 Green			C0026301	C0026302				
	 Multi pack	8 x 75 G/W				M0027915			

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units











Needle length mm	Thread length cm colour	USP metric						
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle with short cutting point								
	75					C0026317		
	90				C0026313			
	Green							
	90				C0027326			
	White							
	 Pledgets 3x3 mm Firm	75			C0026422			
	Green							
	75				C0026319			
	90				C0026318			
	 Pledgets 6x3 mm Firm	Green						
	90				G0027336			
	White							
	 Pledgets 6x3 mm Firm	2 x 90			B0027885			
	G/W							
	 Pledgets 6x3 mm Soft	75			C0026594			
	Green	90			C0026676			
	4 x 75				M0027371	M0027925		
	4 x 75				M0027791			
	4 x 90				M0027555	M0027686		
	8 x 90				M0027910			
	G/W							
	 Pledgets 3x3 mm Firm	4 x 75			M0027372			
	G/W							
	 Pledgets 6x3 mm Firm	4 x 75				M0027859		
	G/W							

CV Pass



PremiCron®

Needle-thread combination




















Needle		Thread	USP metric								
			5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5		
length mm		length cm colour									
1/2 circle round bodied needle with short cutting point											
CV Pass 		Multi pack 	4 x 75				M0027543				
			4 x 90					M0027687			
			8 x 90 G/W				M0027660	M0027661			
		Multi pack 	8 x 75				M0027845				
			8 x 90 G/W				M0027531				
CV Pass 			75 Green				C0026634				
				75 Green			C0026643				
		Multi pack 	75 Green				C0026650				
			8 x 75 G/W				M0027465				
		Multi pack 	4 x 75				M0027424				
			8 x 75 G/W				M0027451				
		Multi pack 	4 x 75				M0027443				
			8 x 75 G/W				M0027471				

C Box of 36 units











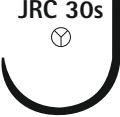




B Box of 24 units

G Box of 12 units

M Box of 6 units









Needle		Thread	USP metric						
			5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
length mm	colour	length cm							
1/2 circle round bodied needle with short cutting point									
 		75					C0026982		
		90					C0026618		
		Green							
		 Pledgets 6x3 mm Firm	75					C0026968	
		Green							
		 4 x 75 G/W						B0027558	
		 Pledgets 6x3 mm Soft	75					C0026602	
	Green								
 	 4 x 75 G/W						M0027594		
	  Pledgets 6x3 mm Soft	8 x 75 G/W					M0027851		
		75						C0026658	
		Green							
		 Pledgets 6x3 mm Firm	75					C0026665	
		Green							
		 Pledgets 6x3 mm Soft	75					C0026674	
	Green								
 	 8 x 75 G/W						M0027501		
	  Pledgets 6x3 mm Firm	8 x 75 G/W					M0027489		
	  Pledgets 6x3 mm Soft	4 x 75 8 x 75 G/W					M0027483 M0027495		
		75						C0026260	
		Green							

G/W = Green / White

Needle length mm	Thread length cm colour	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
3/8 circle round bodied needle with short cutting point								
 	 Pledgets 6x3 mm Firm	75 Green					C0026161	
	 Pledgets 6x3 mm Soft	75 Green					C0026184	
	 Pledgets 6x3 mm Firm	4 x 75 8 x 75 G/W					M0027002 M0027046	
	  Pledgets 6x3 mm Firm	4 x 75 8 x 75 G/W					M0027013 M0027079	
	  Pledgets 6x3 mm Soft	4 x 75 8 x 75 G/W					M0027013 M0027079	
Hook curved round bodied needle with short cutting point								
 		75 Green						C0026987
Progressive curved round bodied needle with short cutting point								
 		120 Green				C0026102	C0026099	
1/2 circle round bodied needle with trocar point								
 		75 Green	C0026378	C0026379	C0026380	C0026381		

PremiCron®

Needle-thread combination

Needle length mm	Thread length cm colour	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
1/2 circle round bodied needle with trocar point								
	75					C0026406	C0026433	
	90		C0026413	C0026414	C0026415	C0026416		
	Green							
	75					C0027406		
	90				C0027397	C0027411		
	White							
	 Pledgets 3x3 mm Firm	90				C0026417		
	Green							
	 Pledgets 6x3 mm Firm	75				C0026407	C0026434	
	Green							
	75					C0027407		
	White							
	 Pledgets 6x3 mm Firm	2 x 75 2 x 90 G/W				B0027710 B0027711		
		4 x 75 8 x 75 8 x 90 G/W				M0027785 M0027782 M0027779	M0027789	
	 Pledgets 3x3 mm Firm	8 x 75 8 x 90 G/W			M0027787	M0027781 M0027768		
								
	 Pledgets 6x3 mm Firm	4 x 75 4 x 90 8 x 75 8 x 90 G/W			M0027788	M0027784 M0027725 M0027786 M0027780	M0027783	
								

EasySlide




















C Box of 36 units

B Box of 24 units

G Box of 12 units











M Box of 6 units

Needle		Thread	USP metric							
			6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	
length mm	colour	length cm								
1/2 circle round bodied needle with trocar point										
  2xHRT 22		90						C0026426		
		Green								
		 Pledgets 6x3 mm Firm	75					C0026427		
		Green								
			4 x 75						M0027728	
		 Pledgets 6x3 mm Firm	4 x 75 8 x 75			M0027798		M0027796 M0027740		
	G/W									
  HRT 26		75				C0026335	C0026336	C0026337	C0026338	
		Green	90						C0026627	
		75				C0026435	C0026436	C0026437		
		Green	90			C0026445	C0026446	C0026447		
		75						C0027346		
		White	90					C0027446		
		75						C0026431		
		Green	90					C0026443		
  2xHRT 26		 Pledgets 6x3 mm Firm	2 x 75					B0027719		
			2 x 90					B0027720		
			G/W							
			4 x 75 8 x 75						M0027756 M0027734	M0027757
			8 x 90						M0027753	M0027751
	G/W									
		 Pledgets 3x3 mm Firm	8 x 75					M0027732		
		G/W								
		4 x 75 4 x 90						M0027736 M0027724	M0027735	
		8 x 75 8 x 90						M0027733 M0027755	M0027754	
		 Pledgets 6x3 mm Firm	G/W							

G/W = Green / White

PremiCron®

Needle-thread combination

Needle	Thread	USP metric						
		3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	5 7
length mm	length cm colour							
1/2 circle round bodied needle with trocar point								
Easyslide 	75			C0026689				
	90 Green				C0026920			
Easyslide 	75			C0026392	C0026393	C0026394		
	Green							
Easyslide 	75			C0026401				
	Green							
Easyslide 	75							
	Green						B0026044	G0026076
Easyslide 	75						C0026395	
Easyslide 	75							
	Green						B0026718	
Easyslide 	75							
	Green						C0026781	
Easyslide 	75							
	Green						C0026097	G0026148
Easyslide 	75							
	Green							G0026081
Easyslide 	75							
	Green							G0026081

C Box of 36 units



B Box of 24 units

G Box of 12 units

M Box of 6 units












Needle length mm	Thread length cm colour	USP metric						
		3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	5 7

1/2 circle round bodied needle with trocar point

 	75 Green								G0026146
	4 x 75 Green								G0026723




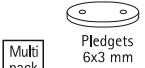










Needle length mm	Thread length cm colour	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4

3/8 circle round bodied with trocar point

 	75 Green	C0026326	C0026327						
 	75 Green		C0026343	C0026344	C0026345				
 	75 Green			C0026484	C0026485	C0026486			
		4 x 75 G/W							M0027709
 	8 x 75 G/W								M0027771
	 	75 Green							C0026356

PremiCron®

Needle-thread combination





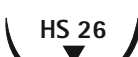

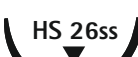

Needle length mm	Thread length cm colour	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
3/8 circle round bodied needle with trocar point								
   	90 Green				C0026358	C0026359		
	90 Green					C0026357		
	8 x 90 G/W						M0027747	
Round bodied needle with trocar point								
 	45 Green				C0026833			
3/8 circle round bodied needle with trocar and micro-point								
 	45 Green	C0026368						
Needle length mm	Thread length cm colour	USP metric						
		3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	5 7
1/2 circle round bodied needle with sternum point								
 	4 x 75 Green					B0026766		
 	4 x 75 Green					B0026767		G0026702
 	4 x 75 Green							G0026705

C Box of 36 units

B Box of 24 units















G Box of 12 units

M Box of 6 units

Needle	Thread	USP metric								
		length mm	length cm	6/0	5/0	4/0	3/0	2/0	0	1
	colour	0.7	1	1.5	2	3	3.5	4		
1/2 circle reverse cutting needle										
EasySlide	HS 15	45		C0026196	C0026197	C0026198				
		75			C0026341	C0026342				
		Green								
Needle	Thread	USP metric								
length mm	length cm	4/0	3/0	2/0	0	1	2	3		
	colour	1.5.7	2	3	3.5	4	5	6		
1/2 circle reverse cutting needle										
EasySlide	HS 21	45	C0026199	C0026200						
		75		C0026365	C0026366	C0026367				
		Green								
EasySlide	HS 23	45		C0026202						
		Green								
EasySlide	HS 23ss	75				C0026403	C0026404	C0026405		
		Green								
EasySlide	HS 26	75		C0026420	C0026421	C0026423				
		Green								
EasySlide	HS 26s	75					C0026339	B0026778		
		Green								
EasySlide	HS 26ss	75						C0026371		
		Green								
EasySlide	HS 30	75			C0026541	C0026542	C0026543	C0026544	B0026545	
		Green								

PremiCron®

Needle-thread combination

















Needle	Thread	USP metric						
		3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	5 7
length mm	length cm colour							
1/2 circle reverse cutting needle								
 	75 Green					C0026214		
 	75 Green			C0026471	C0026472	C0026473		
 	75 Green			C0026467	C0026468	C0026469		
 	75 Green				C0026479	C0026480	B0026481	B0026482
 	75 Green					C0026390		
 	75 200 Green				C0026375 B0120070	C0026376	B0026377	B0026399
	4 x 75 Green							G0026203
 	75 Green							B0026409

C Box of 36 units

B Box of 24 units

G Box of 12 units








M Box of 6 units

Needle	Thread	USP metric								
		length mm	length cm	6/0	5/0	4/0	3/0	2/0	0	1
	colour			0.7	1	1.5	2	3	3.5	4
3/8 circle reverse cutting needle										
 DS 9 	45 Green	C0026192								
 DS 12 	45 75 Green	C0026171	C0026172 C0026242	C0026173						
 DS 16 	45 75 Green		C0026176	C0026177 C0026245	C0026246					
 DS 19 	45 75 Green		C0026551	C0026552 C0026231	C0026553 C0026232	C0026554 C0026233				C0026235
	45 White				C0027974					
 DS 24 	45 75 90 Green			C0026514	C0026189 C0026515	C0026190 C0026516	C0026517 C0026340	C0026518		
	75 White						C0027965			
3/8 circle reverse cutting needle										
Needle	Thread	USP metric								
length mm	length cm	3/0	2/0	0	1	2	3	5		
	colour	2	3	3.5	4	5	6	7		
 DS 30 	75 Green		C0026531	C0026532	C0026533	C0026534				
 DS 35 	75 Green		C0026281	C0026282	C0026283	C0026284				
 DS 39 	75 Green		C0026329	C0026330	C0026331	C0026332	B0026333			











G/W = Green / White

PremiCron®

Needle-thread combination

Needle	Thread	USP metric							
		length mm	length cm	3/0	2/0	0	1	2	3
	colour	2	3	3.5	4	5	6	7	
3/8 circle reverse cutting needle									
 DS 48	75 Green			C0026353	C0026354	C0026355			
 DS 60	75 Green					C0026278	B0026279		
 DS 76	50 75 Green					B0026205		B0026208 B0026291	
 2xDS 76	75 Green								B0026223
Straight reverse cutting needle									
 GS 51	75 Green	C0026505	C0026506	C0026507	C0026508	C0026509			
 GS 60	75 90 Green	C0026314	C0026315 C0026441						
 GS 65	75 Green		C0026287	C0026288	C0026289				

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle	Thread	USP metric								
		length mm	length cm	6/0	5/0	4/0	3/0	2/0	0	1
	colour	0.7	1	1.5	2	3	3.5	4		
3/8 reverse cutting needle with precision point										
 2xDSMP 7 	45 White	C0027074								
 2xDSMP 11 	45 White		C0027031							
 DSMP 13 	45 Green			C0026193						
	45 White			C0027087						
 DSMP 19 	45 Green			G0026610						
	45 White			C0027096	C0027097					
 DSMP 24 	75 White						C0027957			

PremiCron®

	Thread length cm	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 1	0 3.5	1 4	2 5	3 6
Pre-cut sutures									
3 threads of 45 cm	3 x 45 Green	C0120090	C0120091	C0120092	C0120093	C0120094	C0120095	C0120096	C0120097
5 threads of 45 cm	5 x 45 Green	C0120100	C0120101	C0120102	C0120103	C0120104	B0120105	B0120106	
	5 x 45 White							B0102030	
6 threads of 45 cm	6 x 45 Green			C0120149					
10 threads of 45 cm	10 x 45 Green	C0120005	C0120006	C0120007	C0120008	B0120009	B0120010	B0120011	
12 threads of 45 cm	12 x 45 Green				C0120139				
17 threads of 45 cm	17 x 45 Green			C0120050	C0120051				
5 threads of 60 cm	5 x 60 Green					C0120110	B0120111		
10 threads of 60 cm	10 x 60 Green		C0120015	C0120016	C0120017				

C Box of 36 units

B Box of 24 units




G Box of 12 units





M Box of 6 units

	Thread length cm	USP metric							
		4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	5 7
Pre-cut sutures									
2 threads of 75 cm	2 x 75 Green		C0120080	C0120081	C0120082	C0120083	C0120084	B0120085	B0120087
	2 x 75 White			C0100017		C0100008			
5 threads of 75 cm	5 x 75 Green		C0120119	C0120120	C0120121	B0120122	B0120123		
10 threads of 75 cm	10 x 75 Green		C0120020	C0120021	B0120022		B0120024		
1 thread of 150 cm	1 x 150 Green	C0120025	C0120026	C0120027	C0120028	C0120029	C0120030	C0120031	B0120033
1 thread of 150 cm	1 x 150 White					C0102020	C0102025	C0102035	
	Thread length cm	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 1	0 3.5	1 4	2 5	3 6
Ligature reels									
1 thread of 250 cm	250 Green	G0120055	G0120056	G0120060	G0120061	G0120062	G0120063	G0120064	G0120065
	Thread length cm	USP metric							
		4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	5 7
Ligature reels									
1 thread of 250 cm	250 Green								G0120067

PremiCron®

Pledgets

Pledgets FIRM		Units / foil	Code
3 x 3 x 1.5 mm		6	C0027996
6 x 3 x 1.5 mm		6	C0027995
9 x 5 x 1.5 mm		6	C0027994

Pledgets SOFT		Units / foil	Code
3 x 3 x 1.5 mm		6	C0027990
6 x 3 x 1.5 mm		6	C0027991
9 x 5 x 1.5 mm		6	C0027992
16 x 7 x 1.5 mm		6	C0027993

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Dafilon®

Non-absorbable sutures

Description

Dafilon® is a non-absorbable synthetic monofilament suture made of polymers polyamide 6/6.6 (dyed blue), polyamide 6.6 (dyed black) or polyamide 6 (undyed).

Dafilon® blue and Dafilon® undyed are indicated for the closure of superficial wounds and plastic surgery. Dafilon® black is used for microsurgical and ophthalmic purposes.

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

Indications

- Skin closure (intracutaneous, subcutaneous)
- Plastic and reconstructive surgery
- Microsurgery
- Ophthalmic surgery



Advantages

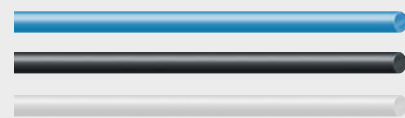
- Flexible, easy to handle and tie
- Smooth passage through tissue
- Excellent histocompatibility

Dafilon®

Product overview

Structure

Monofilament



Colour

Blue, black or undyed

Chemical composition

Polyamide

Coating

Uncoated

Origin

Synthetic

Sizes

USP 11/0 (0.1 metric) to USP 2 (5 metric)

Type of absorption

Non-absorbable

Sterilisation

Gamma-irradiation / ethylene oxide
(microsurgery 7/0 to 11/0)

Needle-thread combination











angle	Needle		Thread length cm colour	USP metric							
	length mm	diameter microns		11/0 0.1	10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5
1/2 circle micro-needle with taper point											
180°	HRm 4 	70µ	8 Black	G1118374							
180°	HRm 8 	140µ	15 Black				G1118030				
3/8 circle micro-needle with taper point											
135°	DRm 3 	50µ	5 10 15 Black	G1118064 G1118366 G1117033	G1118072 G1117041						
135°	DRm 4 	70µ	10 Black	G1118080	G1118099						
135°	DRm 4s 	140µ	10 Black		G1118129	G1118137	G1118138				
135°	DRm 5 	100µ	15 Black		G1118110	G1111434					
135°	2xDRm 5 	100µ	15 Black		G1118250						
135°	DRm 6 	140µ	15 Black		G1118013	G1118161	G1118170				
135°	2xDRm 6 	140µ	15 30 Black			G1118025 G1118535					
Progressive curved micro-needle with taper point											
95/110°	PRm 4 	70µ	8 Black		G1118463						
100/90°	PRm 5 	100µ	13 Black			G1118471					
100/95°	PRm 6 	140µ	15 Black				G1118390				

C Box of 36 units









B Box of 24 units

G Box of 12 units

M Box of 6 units

angle	Needle		Thread length cm colour	USP metric							
	length mm	diameter microns		11/0 0.1	10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5
3/8 circle round bodied micro-needle with short cutting point											
135°	DRCm 3 	100µ	15 Black		G1118048						
135°	2xDRCm 4 	140µ	15 Black		G1118404						
135°	DRCm 5 	100µ	15 Black			G1111140					
135°	2xDRCm 6 	140µ	15 Black				G1118455				
Progressive curved round bodied micro-needle with short cutting point											
100/95°	PRCm 5 	100µ	8 13 Black		G1118412	G1118420					
100/95°	2xPRCm 5 	100µ	3 Black		G1118447						
100/95°	PRCm 6 	140µ	15 Black				G1118439				
1/2 circle micro-lancet needle											
160°	HLm 6 	150µ	15 30 Black		G1118625 G1118641	G1118633 G1118650					
160°	2xHLm 6 	150µ	30 Black		G1118609	G1118617					
175°	2xHLm 8 	200µ	30 Black		G1118737	G1118738	G1118530				

Needle-thread combination






angle	Needle		Thread length cm colour	USP metric							
	length mm	diameter microns		11/0 0.1	10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5
3/8 circle micro-lancet needle											
135°	D_{Lm} 4 	125μ	15 Black	G1110012	G1110020						
140°	D_{Lm} 5 	150μ	15 30 Black		G1118684 G1118838		G1111693				
140°	2xD_{Lm} 5 	150μ	15 30 Black		G1118540 G1118862	G1118032					
140°	D_{Lm} 6 	150μ	7 15 30 Black		G1118331 G1118722 G1118749	G1118730 G1118757					
140°	2xD_{Lm} 6 	150μ	5 15 30 Black	G1111213	G1111272 G1118706	G1118714	G1118668				
137°	D_{Lm} 6s 	200μ	15 30 45 Black		G1118781	G1118790	G1118579 G1110250 G1118854				
137°	2xD_{Lm} 6s 	200μ	30 45 Black		G1118765	G1118773	G1111248				
1/4 circle micro-lancet needle											
97°	2xV_{Lm} 6s 	200μ	30 Black				G1111337				

C Box of 36 units

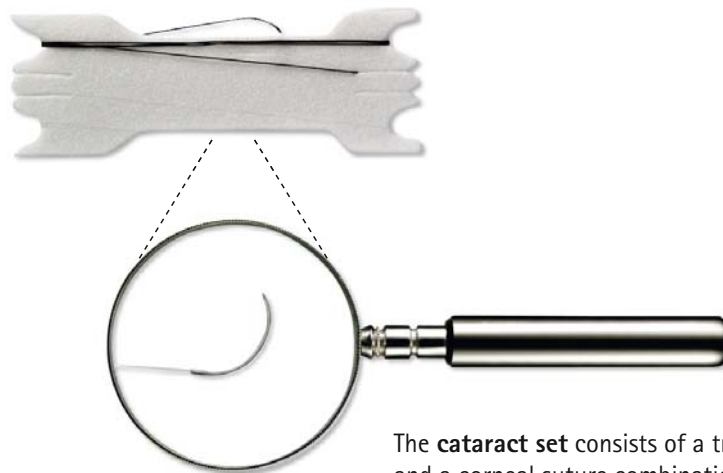
B Box of 24 units

G Box of 12 units

M Box of 6 units




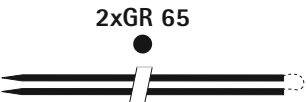






angle	Needle		Thread length cm colour	USP metric							
	length mm	diameter microns		11/0 0.1	10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5
Progressive curved micro-lancet needle											
90°/55°	2xPLm 5 	150µ	20 Black		G1111922						
Set of sutures for cataract											
Dafilon® 140°	DLm 6 	150µ	15		G1117955						
Silkam® 135°	DS 12 		45 Black								G1117955
Dafilon® 137°	DLm 6s 	480µ	15		G1117947						
Silkam® 135°	DS 12 		45 Black								G1117947

480µ



The **cataract set** consists of a traction suture and a corneal suture combination.

Needle-thread combination







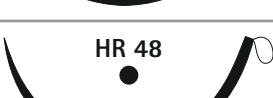
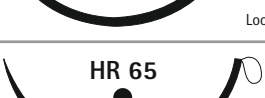

Needle		Thread	USP metric								
angle	length mm diameter microns		length cm colour	11/0 0.1	10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5
1/2 circle lancet needle with micro-point											
160°	2xHLM 8 	45 Blue								G0938210	
1/4 circle lancet needle with micro-point											
90°	VLM 8 	20 Black								C0970008	
90°	2xVLM 8 	45 Blue								C0938106	
Needle		Thread	USP metric								
length mm	diameter microns		length cm colour	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Straight cutting needle											
	2xGR 65 	75 90 Blue						C0938505	B0932730		B0930192
	2xGR 75 	75 Blue						C0930040			
1/2 circle round bodied needle											
	HR 26 	75 Blue					C0930423	C0930431			
	HR 26s 	75 Blue					C0930158				
	HR 30 	75 100 Blue					C0930474 C0930601	C0930482	C0930490 B0930628		
	HR 30 	150 Blue					C0937614	C0933490			
	HR 37s 	75 Blue								C0930760	

C Box of 36 units






B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle										
 HR 37s Loop	150 Blue								B0935769	
 HR 40	75 100 Blue						C0930539 C0934828	C0935549		
 HR 40 Loop	150 Blue						C0934534			
 HR 40s	100 Blue						C0934844	B0935743		
 HR 43s	75 Blue							C0930970		
 HR 48	75 90 100 Blue							C0930741 C0935727	C0930750 C0930010	
 HR 48 Loop	150 200 Blue						C0933589	B0933570 B0933619		
 HR 65 Loop	150 Blue								B0933670	
Needle length mm	Thread length cm colour	USP metric								
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	
3/8 circle round bodied needle										
 DR 6	15 Black	G1110740								

Needle-thread combination













Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle with trocar point									
 HRT 26	75 Blue				C0930139				
1/2 circle round bodied needle with trocar point									
 HRT 40s	150 Blue							B0934708	
 HRT 43	150 Blue							B0934710	
 HRT 43s	200 Blue							B0935630	
1/2 circle round bodied needle with blunt point									
 HRN 50	150 Blue							B0934028	

C Box of 36 units











B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Straight cutting needle									
GS 40 	90 Blue			C0931056					
GS 45 	45 Blue				C0932736				
GS 51 	75 90 Blue			C0935590	C0935603	C0935611	C0935530 C0935565	C0935573	
GS 60 	75 90 Blue			C0932647	C0932655 C0934658	C0932663 C0934690	C0934691		
GS 65 	90 Blue			C0935557	C0935646	C0935654		C0935735	
GS 75 	75 Blue						C0932710		
1/2 circle reverse cutting needle									
HS 15 	75 Blue			C0932507					
HS 21 	75 90 Blue			C0932876	C0932884	C0932873			
HS 26 	75 90 Blue			C0935948	C0935963 C0932957	C0935964 C0934968			
HS 30 	75 90 Blue				C0934003	C0934011	C0935002 C0934020	C0935034 C0934038	
HS 37 	90 Blue					C0934054		C0934046	
HS 40 	75 90 100 Blue						C0932760 C0934585	C0932787	

Needle-thread combination







Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle reverse cutting needle										
 HS 40 Loop	150 Blue								B0934518	
 HS 48	75 90 100 Blue							C0932612	C0932620 C0932604 C0935620	
3/8 circle reverse cutting needle										
 DS 9	45 Blue	C0932019								
 DS 12	45 60 75 Blue	C0933066 C0935042 C0934061	C0933074 C0935050	C0932086 C0935069						
 DS 16	45 60 75 90 Blue	C0933112 C0932108	C0933120 C0935123	C0933139 C0935131 C0930165	C0932140					
 DS 19	45 75 90 Blue		C0933198 C0933236 C0935255	C0933201 C0933244 C0935220	C0932213 C0933252 C0935239	C0932221 C0933210 C0935247				
 DS 24	45 75 90 Blue		C0932317	C0933341 C0933384 C0935310	C0933350 C0933392 C0935328	C0933368 C0933406 C0935336	C0932370 C0935379	C0935380		
 DS 30	45 75 90 Blue			C0932441 C0932450	C0933422 C0933457 C0934410	C0933430 C0935476 C0935522	C0932485 C0933465	C0932493 C0935492 C0934429		
 DS 35	75 90 Blue				C0934780	C0934801	C0934810		C0930095 C0934836	
 DS 39	45 75 90 Blue			C0932531	C0932540	C0932545 C0932558 C0934569	C0932566 C0934573	C0932574 C0934577	C0934579	

C Box of 36 units





B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
3/8 circle reverse cutting needle									
 DS 45	75					C0932850			
	100 Blue					C0935859			
 DS 48	75					C0932582			C0931640
	100 Blue							C0934224	
 DS 60	100 Blue				B0935890	B0935905	B0935913	B0935915	B0935914
 DS 76	50								C0932650
	75								C0931641
	100 3 x 50 Blue				C0932272	C0932280			B0935910
	50 Black								C0972650
 DS 90	100 3 x 50 Blue					C0934917	C0934909	C0934925 G0930182	C0934933
 2xDS 90	75 Blue							C0938920	

Needle-thread combination








Needle length mm	Thread length cm colour	USP metric								
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0/0 3.5	
1/2 circle reverse cutting needle with precision point										
HSMP 12 	45 Blue				C0932998					
HSMP 15 	45 Blue				C0936618	C0936626				
	45 Black				C0916618	C0916626				
3/8 circle reverse cutting needle with precision point										
DSMP 7 	45 Black		C0977225							
	45 Blue			C0930018						
DSMP 9 	45 Blue				C0936122					

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric								
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0/0 3.5	
3/8 circle reverse cutting needle with precision point										
DSMP 11 	45 Black		C0977212							
	45 Blue			C0936022	C0936014					
	45 Undyed			C0916122						
DSMP 13 	45 Blue			C0936081	C0936090	C0936103				
	45 75 Undyed			C0916081	C0916133 C0916033	C0916134				
DSMP 16 	45 75 Blue			C0936146 C0936143	C0936154 C0936650	C0936162				
	45 75 Undyed			C0912242	C0916143 C0916043	C0916144 C0916044				
DSMP 19 	45 75 Blue			C0936226	C0936227	C0936235 C0936731	C0936243 C0936740	C0936251		
	45 75 Undyed					C0916154 C0916054	C0916155 C0916055			
DSMP 24 	45 75 Blue			C0936280	C0936294	C0936839	C0936316 C0936812	C0936324 C0936820		
	45 75 Undyed					C0916308	C0916165 C0916065			
DSMP 30 	75 Blue						C0936952			
DSMP 39 	75 Blue							C0934570		





	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Pre-cut sutures									
3 threads of 45 cm	3 x 45 Blue					C0436275	C0436283		
6 threads of 45 cm	6 x 45 Blue			B0436532	B0436533	B0436534	B0436535	B0436536	B0436537
10 threads of 45 cm	10 x 45 Blue				B0436658	B0436675			
6 threads of 60 cm	6 x 60 Blue					B0436500			B0436503
2 threads of 100 cm	2 x 100 Blue			C0431249	C0431257	C0431265	C0431273	C0431290	B0431303
Ligature reels									
1 thread of 250 cm	1 x 250 Blue				G0436005				

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

angle	Needle		Thread length cm colour	USP metric								
	length mm	diameter microns		11/0 0.1	10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	
3/8 circle micro-needle with taper point												
135°	DRm 3 	50µ	15 Black	G1117033								
135°	DRm 4 	70µ	10 15 Black		G1118188 G1117092							
135°	DRm 5 	100µ	15 Black		G1118196	G1118200						
135°	DRm 6 	140µ	15 Black			G1118218	G1118226					

The ideal solution for:



- experimental surgery
- training purposes

Lab Pack

- non-sterile micro suture material
- convenient presentation including 12 sutures
- complete product range of round bodied needles (50 - 140 microns)
- easy storage and handling

Trelon®

Non-absorbable sutures

Description

Trelon® is a non-absorbable synthetic suture made of braided Polyamide 6/6 with a silicone coating. It is available in black.

Indications

- General surgery
- Neurosurgery
- Gastrointestinal surgery

Advantages

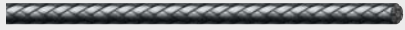
- High lineal tensile strength
- High knot-pull tensile strength
- Excellent knot security
- Low tissue reactivity









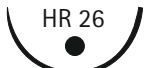
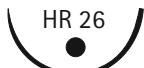
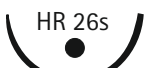


Trelon®







Trelon®

Product overview

Structure	Braided 
Colour	Black
Chemical composition	Polyamide
Coating	Silicone
Sizes	USP 6/0 (0.7 metric) to USP 3 (6 metric)
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation

Needle-thread combination

Needle length mm	Thread length cm	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle									
HR 13 	"Take off" 8 x 45 Black				M0790135				
HR 17 	8 x 45 Black				M0790165				
HR 17 	"Take off" 8 x 45 Black					M0790176			
HR 22 	75 Black						C0790415		
HR 22 	"Take off" 8 x 45 8 x 75 Black				M0790185		M0790435		
HR 22ss 	"Take off" 8 x 45 Black							M0790446	
HR 26 	75 Black						C0790225		
	8 x 75 Black						M0790559		
HR 26 	"Take off" 8 x 45 8 x 75 Black				M0790205 M0790215	M0790206			
HR 26s 	"Take off" 8 x 45 Black						M0790235	M0790236	
HR 30ss 	8 x 45 Black							M0790256	
HR 37s 	"Take off" 8 x 45 Black								M0790285

Needle length mm	Thread length cm	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle										
	75 Black							C0790296	C0790295	
1/2 circle round bodied needle with trocar point										
	100 Black								C0790315	
1/2 circle reverse cutting needle										
	75 Black								C0790345	
3/8 circle reverse cutting needle										
	45 Black			C0790006						
	45 Black							C0790046		
3/8 circle reverse cutting needle with precision point										
 DSMP 11	45 Black	C0790065								

	Thread length cm	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
Pre-cut sutures									
3 threads of 45 cm	3 x 45 Black	C0780065	C0780066	C0780067	C0780068	C0780069	C0780070	C0780071	C0780072
6 threads of 45 cm	6 x 45 Black	C0780080	C0780081	C0780082		B0780083	B0780084	B0780085	B0780086
12 threads of 45 cm	12 x 45 Black		C0780024	C0780025					
17 threads of 45 cm	17 x 45 Black				B0780005	B0780008			
2 threads of 75 cm	2 x 75 Black		C0780053	C0780054	C0780055	C0780056	C0780057	C0780058	B0780059
10 threads of 75 cm	10 x 75 Black			C0780015	C0780016	B0780017	B0780018		
1 thread of 100 cm	1 x 100 Black			C0780110					
1 thread of 150 cm	1 x 150 Black	C0780040	C0780041	C0780042	C0780043	C0780044	C0780045	C0780046	C0780047
Ligature reels									
1 thread of 250 cm	1 x 250 Black		G0780099	G0780100	G0780101	G0780102	G0780103	G0780104	

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Supramid

Non-absorbable sutures

Description

Supramid is a non-absorbable synthetic suture made of polyamide, available in two different structures depending on suture diameter:

- Supramid pseudomonofilament consists of a core of polyamide 6.6 and a sheath of polyamide 6, ranging from USP3 to 4/0.
- Supramid monofilament is made of polyamide 6 with a range from USP5/0 to 6/0.

Indication

- Skin closure

Advantages

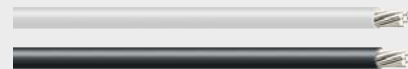
- Exceptional handling qualities due to combined benefits of monofilament and polyfilament threads
- Smooth uniform surface allowing effortless passage through tissue
- Easy removal from skin
- Low tissue reactivity



Supramid









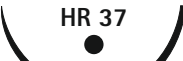

Product overview

Structure	Monofilament (USP 5/0 - 6/0) Pseudo-monofilament (USP 3 - 4/0)
Colour	White or black
Chemical composition	Polyamide
Cover	Sheath of polyamide 6 undyed (Supramid white) or dyed black (Supramid black) in USP 3 to 4/0
Sizes	USP 6/0 (0.7 metric) to USP 3 (6 metric)
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation



Supramid

Needle-thread combination










Needle		Thread	USP metric									
angle	length mm		diameter microns	length cm	6/0	5/0	4/0	3/0	2/0	0	1	2
			colour	0.7	1	1.5	2	3	3.5	4	5	
1/4 circle lancet needle with micro-point												
	2xVLM 8		45 White		C0698642							
90°				330µ								
	2xVLM 8		45 White			C0698643						
90°				430µ								
1/2 circle round bodied needle												
	HR 17		75 Black			C0710130	C0710148					
	HR 22		75 Black				C0710245					
	HR 26		75 White				C0690368					
	HR 30		75 White				C0690457	C0690465				C0690481
	HR 37		75 White									C0690503
3/8 circle round bodied needle												
	DR 15		75 White			C0691097	C0691098					

C Box of 36 units

B Box of 24 units








G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Straight round bodied needle									
GR 19 	45 Black			C0711292	C0711306				
1/2 circle reverse cutting needle									
HS 15 	45 Black		C0712035	C0712043	C0712051				
HS 21 	45 Black		C0712248	C0712256	C0712264				
	45 75 White				C0692263 C0692719				
HS 23 	45 Black				C0712302				
HS 26 	75 Black				C0712418	C0712426	C0712434		
HS 26s 	75 Black							C0712442	
HS 30 	75 White					C0692689			
HS 40s 	120 White							C0694770	
HS 48 	75 White							C0692859	

Supramid

Needle-thread combination







Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
3/8 circle reverse cutting needle									
DS 12 	45 75 Black	C0712060	C0712078 C0714070	C0712086	C0712094				
	45 White			C0692085					
2xDS 12 	45 White			C0699403					
DS 16 	45 75 Black	C0712116	C0712124	C0712132 C0714135	C0712140				
	45 White				C0692132				
DS 19f 	45 Black			C0714060					
DS 19 	45 75 Black		C0712191	C0712205 C0714208	C0712213 C0714216	C0712221			
	75 White					C0692212			
DS 24 	45 75 Black			C0712345	C0712353 C0714356	C0712361 C0714364	C0712370 C0714372	C0714380	
	45 White					C0692352			
DS 30 	45 75 Black				C0712469 C0714461	C0712477 C0714470	C0712485 C0714488	C0712493	
	75 White						C0694487		

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
3/8 circle reverse cutting needle									
 DS 35	75 Black					C0712612	C0712507		
	75 White						C0692620		
 DS 39	75 Black				C0712540	C0712558	C0712566	C0712574	
	75 Black								C0712604
 DS 48	75 Black								
	90 100 Black							B0715817 B0715827	
Straight cutting needle									
 GS 51	75 Black				C0712850				
	75 White				C0692456	C0692964	C0692972		
1/2 circle reverse cutting needle with precision point									
 Easyslide HSMP 15	45 Black		C0716189						
	45 Black			C0716219					
3/8 circle reverse cutting needle with precision point									
 Easyslide DSMP 11	45 Black	C0716073	C0716081						

Supramid

	Thread length cm colour	USP metric							
		4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	4 7
Pre-cut sutures									
5 threads of 45 cm	5 x 45 Black	C0216445	C0216453	C0216461	C0216470	B0216496			
	5 x 45 White		C0196452	C0196460	C0196479	B0196495			
1 thread of 75 cm	1 x 75 Black		C0214051						
1 thread of 150 cm	1 x 150 Black		C0212059	C0212067	C0212075	C0212091	C0212105	C0212113	
	1 x 150 White		C0192058	C0192066	C0192074	C0192090	C0192104	C0192112	
Ligature reels									
1 thread of 250 cm	1 x 250 White			G0190233	G0190241	G0190250	G0190268		

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Dagrofil®

Non-absorbable sutures

Description

Dagrofil® is a non-absorbable non-coated braided synthetic multifilament composed of polyester fibres.

Available in green or white.

Indication

- General surgery
- Orthopaedics
- Ligatures

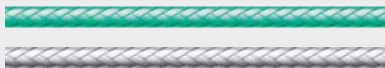
Advantages

- High lineal and knot-pull tensile strength
- Excellent knot security
- Low tissue reactivity













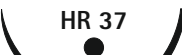
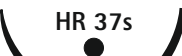
Dagrofil®

Product overview

Structure	Braided
	
Colour	Green or white
Chemical composition	Polyester
Coating	Uncoated
Origin	Synthetic
Sizes	USP 6/0 (0.7 metric) to USP 6 (8 metric)
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation

Dagrofil®

Needle-thread combination












Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle lancet needle with micro-point									
 2xHLM 8  180°	45 Green			60848630					
1/4 circle lancet needle with micro-point									
 2xVLM 8  90°	45 White		G0858420						
	45 Green	G0848430	G0848425						
 2xVLM 8  90°	45 White			G0858630					
1/2 circle round bodied needle									
	75 White				C0850144				
	75 Green			C0840130	C0840149				
	75 Green			C0840297	C0840300	C0840319			
	75 Green				C0840416	C0840424	C0840432	C0840483	
	75 Green				C0840467	C0840475	C0840483	C0840556	C0840440
	75 Green						C0840521	C0840530	
	75 Green						C0840522		

C Box of 36 units










B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
3/8 circle round bodied needle									
 2xDR 12	45 Green			C0858188					
 DR 22	75 Green							C0841366	
 DR 32	75 Green					C0841587	C0841595	C0841609	
Straight cutting needle									
 GR 19	45 Green			C0841528					
1/2 circle round bodied needle with trocar point									
 HRT 17	45 Green			G0844136	C0844144				
 2xHRT 26	90 Green					C0849383			
1/2 circle reverse cutting needle									
 HS 18	45 Green				C0844350				
 HS 23	45 Green				C0842303				
 HS 26	75 Green					C0842427			
 HS 30	75 Green						C0842249	C0842257	C0842265
 HS 37	75 Green							C0842281	

Needle-thread combination





Needle length mm	Thread length cm colour	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
1/2 circle reverse cutting needle									
 HS 37s	75 Green							C0842273	
 HS 40	75 Green								B0842648
3/8 circle reverse cutting needle									
 2xDS 12	45 White		C0858056						
 DS 16	45 Green	C0842125	C0845198						
 DS 19	45 White		C0852201	C0852210					
	45 Green	C0842192	C0842206	C0842214	C0842222				
 DS 24	45 White			C0854352	C0850400				
	45 75 Green			C0844357 C0842354	C0844355 C0842362				
 DS 30	75 Green				C0842478	C0842486	C0842494		
 DS 39	75 Green					C0842583	C0842591		
 DS 76	50 Green							C0842180	

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
3/8 circle reverse cutting needle with precision point									
 DSMP 11 	45 Green	C0846100							
	45 White			C0854336					
 DSMP 13 	45 Green		C0846198						

	Thread length cm colour	USP metric							
		4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	4 6
Pre-cut sutures									
3 threads of 45 cm	3 x 45 Green	C0346241	C0346250	C0346268	C0346276	C0346292	C0346306		
5 threads of 45 cm	5 x 45 Green		C0346454	C0346462	C0346470	B0346497	B0346500		
10 threads of 45 cm	10 x 45 Green		C0346659	C0346667	B0346675	B0346691			
2 threads of 75 cm	2 x 75 Green			C0344060	C0344079	C0344095	C0344109	B0344117	
	Thread length cm colour	USP metric							
		3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	4 6	6 8
Pre-cut sutures									
1 thread of 150 cm	1 x 150 White					C0372102			
1 thread of 150 cm	1 x 150 Green	C0342050	C0342068	C0342076	C0342092	C0342106	C0342114	C0342122	B0342160
	Thread length cm colour	USP metric							
		4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	4 6
Ligature reels									
1 thread of 250 cm	1 x 250 Green	G0341215	C0341223	G0341231	G0341240	G0341258	G0341266	G0341274	G0341282
1 thread of 250 cm	1 x 250 White		G0371243	G0371244	G0371245	G0371246			

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Virgin silk / Silkam®

Non-absorbable sutures

Description

Silkam® is a non-absorbable braided and coated suture, made of natural silk filaments. Silkam® is basically indicated for applications where it is surgical practice to employ non-absorbable suture material. Silkam® is available in black or white.

Virgin silk is a non-absorbable twisted suture, made of natural silk filaments. Virgin silk is indicated in ophthalmic surgery in soft tissues. Virgin silk is available in blue.

Indications

- General surgery
- Skin closure
- Oral surgery
- Ophthalmic surgery (Virgin silk)
- Neurosurgery
- Ligatures

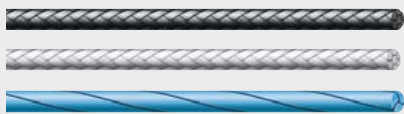


Advantages

- Excellent handling properties
- Good knot security






Virgin silk / Silkam®

Product overview

Structure	Braided (Silkam®) Twisted (Virgin silk)
	
Colour	Black or white (Silkam®) or blue (Virgin silk)
Chemical composition	Natural silk filaments
Coating	Wax and silicone (Silkam®) Uncoated (Virgin silk)
Origin	Silkworm larval cocoons
Sizes	USP 10/0 (0.2 metric) to USP 6 (8 metric)
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation (Silkam®) Ethylene oxide (Virgin Silk)

Virgin silk

Needle-thread combination

angle	Needle		Thread length cm colour	USP metric							
	length mm	diameter microns		10/0 0.2	9/0 0.3	8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2
3/8 circle micro-lancet needle											
140°	2xDLm 5 	150µ	15			G1119010					
			30 Blue			G1118935					
140°	DLm 6 	150µ	30 Blue		G1118986	G1118902					
140°	2xDLm 6 	150µ	30 45 Blue	G1119043	G1118900	G1118919 61113917					
137°	DLm 6s 	200µ	30 Blue			G1118901					
137°	2xDLm 6s 	200µ	30 45 Blue			G1118927 G1113240					







C Box of 36 units

B Box of 24 units











G Box of 12 units

M Box of 6 units

Needle-thread combination

Needle			Thread length cm colour	USP metric							
angle	length mm	diameter microns		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
1/4 circle lancet needle with micro-point											
	2xVLM 8		45 Black			G0768723	G0768731				
90°		330µ									
1/2 circle round bodied needle											
	HR 10		45 75 Black			C0760021 C0764043	C0760030 C0764027	C0760048			
											
	HR 13		45 75 Black				C0760072	C0760080 C0764086	C0760099 C0764094		
											
	HR 17		75 Black				C0760129	C0760137	C0760145	C0760153	
											
	2xHR 17		90 Black					C0769029			
											

Needle-thread combination












Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle round bodied needle										
	75 Black				C0760235	C0760242				
	75 90 Black			C0760293	C0760307 C0765374	G0760315				
	45 75 90 Black		C0765279	C0760404	C0760412 C0765023	C0760420	C0760439 C0765378	C0760447		
	4 x 45 4 x 75 Black				C0766168	C0766169 B0767026				
	5 x 45 Black	"Take off"		B0766500		B0767027				
	8 x 45 Black				M0766423	M0766426				
	75 Black							C0760927		
	4 x 45 Black	"Take off"				C0767023				
	75 Black				C0760463	C0760471	C0760480	C0760498		
	75 Black							C0760951	C0760952	

C Box of 36 units











B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
1/2 circle round bodied needle									
 HR 37	75 Black				C0760501	C0760510	C0760528	C0760536	C0760544
 HR 37s	75 Black					C0760900	C0760960	C0760978	C0760986
 HR 37s "Take off"	4 x 45 Black						B0766485		
 HR 40	75 Black					C0770477		C0770493	
 HR 40s	75 Black								C0760560
 HR 48	75 Black							C0760625	C0760633
Needle length mm	Thread length cm colour	USP metric							
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
3/8 circle round bodied needle									
 DR 8	45 Black			C0766542					
 2xDR 8	45 Black	C0768529							
 DR 10	45 75 Black			C0761010	C0761028				
 2xDR 10	45 75 Black			C0769126	C0767220				
 DR 12	45 75 Black			C0761060	C0761079	C0765309	C0765317	C0769240	C0765325

Needle-thread combination








Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
3/8 circle round bodied needle										
2xDR 12 	45 75 Black	C0769215		C0769231		C0769193				
DR 13 	75 Black	C0761298								
DR 15 	45 75 Black		C0761147	C0761133 C0765767			C0761150			
DR 18 	75 Black		C0761192	C0761206	C0761214					
DR 22 	75 Black					C0761311	C0761273			
DR 32 	75 Black					C0761460			C0761494	C0761508
Round bodied ski needle										
SKR 19 	20 Black					C0764324				
SKR 26 	30 Black						C0764450			
Straight round bodied needle										
GR 19 	45 75 Black			C0761290 C0765511						
GR 51 	75 90 Black						C0765554		C0761613	

C Box of 36 units











B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
1/2 circle round bodied needle with trocar point									
 HRT 17	75 Black					C0763136	C0763144	C0763152	
	4 x 45 Black						C0766127		
 HRT 26	75 Black						C0763411	C0763420	
 HRT 48	90 Black								C0769100
3/8 circle round bodied needle with trocar point									
 DRTM 8	45 Black		C0766950						
 DRT 18	75 Black					G0763200	G0763218		
3/8 circle round bodied needle with blunt point									
 DRN 16	45 Black						C0766372		
	2 x 45						C0766390		
	2 x 75 Black						C0766394		
 2xDRN 16	60 Black						G0766380		

Needle-thread combination









Needle length mm	Thread length cm colour	USP metric								
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	
1/2 circle reverse cutting needle										
 HS 9	75 Black		C0762016							
 HS 15	45 75 Black		C0762032 C0765490	C0762040 C0765503	C0762059					
 HS 18	45 Black			G0762563	C0762547					
 HS 21	45 75 Black		C0762245 C0764876	C0762253 C0764825	C0762261 C0764248	C0762270 C0764175				
 HS 23	45 75 Black				C0762300 C0764302	C0762326 C0764303				
 HS 26	75 Black			C0762407	C0762415	C0762423	C0762431			
 HS 26s	75 Black							C0762440		
 HS 30	75 Black				C0764612	C0764779	C0764620	C0764647	C0764698	
 HS 37s	75 Black					C0762954	C0764388	C0762970	C0764396	
 HS 48	75 90 Black						C0764582 C0764581	C0764590		

C Box of 36 units











B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
3/8 circle reverse cutting needle									
 DS 9	45 Black		C0764000	C0762024					
 DS 12	45 75 Black			C0762067 C0765066	C0762075 C0765074	C0762083 C0765082	C0762091 C0765597		
 2xDS 12	45 Black			C0768464	C0768472	C0768480			
 DS 16	45 75 Black			C0762113 C0764060	C0762121 C0764124	C0762130 C0764132	C0762148 C0764140	C0762156 C0764159	
 2xDS 16	45 75 Black						C0767840	C0767158	
Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
3/8 circle reverse cutting needle									
 DS 19	45 75 90 Black	C0765171	C0762199 C0765198	C0762202 C0765201	C0762210 C0765210 C0765212	C0762229 C0765228	C0765236	C0762384 C0761998	
 DS 24	45 White				C0732354				
	45 75 Black		C0765120	C0765090 C0762342	C0765104 C0762350	C0765112 C0762369	C0762377	C0765117	
 DS 30	45 75 Black				C0762466	C0765473 C0762474	C0765481 C0762482	C0762490	C0762504

Needle-thread combination



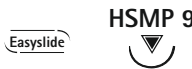
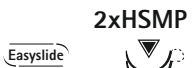
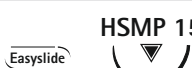
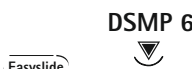

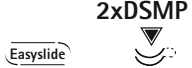
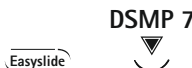
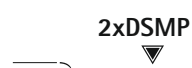
Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
3/8 circle reverse cutting needle									
 DS 30 "Take off"	4 x 45 Black					C0766850			
 DS 35	75 Black				C0772410	C0772429	C0772437	C0764183	C0764184
 DS 39	75 Black					C0762598	C0762601	C0762610	C0762628
 DS 45	75 Black						C0762636	C0762393	
 DS 48	75 Black					C0764817	C0762814	C0762776	C0762784
 DS 60	75 100 Black							C0764892 B0760350	
 DS 76	100 Black					C0765350			
 DS 90	75 100 Black					C0764906	C0764914	C0764922	C0764973 C0764924
Straight cutting needle									
 GS 51	75 100 Black			C0764655	C0762741 C0764787	C0762750 C0764990	C0765031	C0762768	
 GS 60	75 100 Black			C0762644	C0762652 C0764744	C0762660 C0764752	C0762679 C0764760	C0764690 B0764762	

C Box of 36 units



















B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP metric							
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Straight cutting needle									
 GS 75	75					C0762709	C0762717		
	100 Black				C0765694	C0764728	C0764710		
 GS 81	100								
	Black					C0764957	C0765163		
1/2 circle reverse cutting needle with precision point									
 HSMP 9	45			C0766135					
	Black								
 2xHSMP 9	45	C0768818							
	Black								
 HSMP 15	45	C0766136	C0766137	C0766138					
	Black								
Needle length mm	Thread length cm colour	USP metric							
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5
3/8 reverse cutting needle with precision point									
 DSMP 6	45	C0736023							
	Blue								
 DSMP 6	45	C0766020							
	Black								
 2xDSMP 6	45	C0768022							
	Black								
 DSMP 7	45		C0766038	C0766046					
	Black								
 2xDSMP 7	45		C0768073						
	45		G0768073	C0768065					
	Black								

Needle-thread combination

Needle length mm	Thread length cm colour	USP metric								
		8/0 0.4	7/0 0.5	6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	
3/8 reverse cutting needle with precision point										
 DSMP 11 	45 Black			C0766070	C0766089					
 2xDSMP 11 	45 Black			C0768278						
 DSMP 13 	45 75 Black			C0766186	C0766194 C0764191	C0766208				
 2xDSMP 13 	45 Black					C0768863				
 DSMP 16 	45 75 Black			C0766216	C0766224	C0766232 C0764230				
 2xDSMP 16 	45 Black					C0767239				
 DSMP 19 	45 Black				C0766704	C0766682	C0766690	C0766700		
 DSMP 24 	45 Black					C0766262	C0766275	C0766283		
 DSMP 39 	75 Black							C0766654		

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

	Thread length cm colour	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
Pre-cut sutures									
3 threads of 45 cm	3 x 45 Black		C0266248	C0266256	C0266264	C0266272	C0266299	C0266302	C0266310
5 threads of 45 cm	5 x 45 Black			C0266450	C0266469	C0266477	B0266493	B0266507	
10 threads of 45 cm	10 x 45 Black	C0266639	C0266647	C0266655	C0266663	B0266671	B0266698		
5 threads of 60 cm	5 x 60 Black					C0265373			
10 threads of 60 cm	10 x 60 Black				C0263664	B0263672	B0263680		
1 thread of 75 cm	75 Black			C0265152	G0265160	G0265179			
2 threads of 75 cm	2 x 75 Black				C0264067	C0264075	C0264091	C0264105	B0264113
5 threads of 75 cm	5 x 75 Black		C0264440	C0264458	C0264466	C0264474	B0264490	B0264504	
10 threads of 75 cm	10 x 75 Black		C0264644	C0264652	C0264660	B0264679	B0264695	B0264696	
1 thread of 150 cm	150 White				C0232068				C0232114
	150 Black		C0262048	C0262056	C0262064	C0262072	C0262099	C0262102	C0262110

	Thread length cm colour	USP metric							
		2/0 3	0 3.5	1 4	2 5	3 6	4 6	5 7	6 8
Pre-cut sutures									
1 thread of 150 cm	150 Black						C0262129	B0262137	B0262145
Ligature reels									
1 thread of 250 cm	250 White				G0230260			G0230286	
	Thread length cm colour	USP metric							
		4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	4 6
Ligature reels									
1 thread of 250 cm	250 Black	G0260410	G0260428	G0260436	G0260444	G0260452	G0260460	G0260479	
	Thread length cm colour	USP metric							
		3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	4 6	5 7
Ligature reels									
1 thread of 250 cm	250 Black								G0260487

Steelex®

Non-absorbable sutures

Description

Steelex® is a non-absorbable twisted or monofilament suture made of corrosion-resistant steel for orthopaedic, maxillofacial and spine surgery.

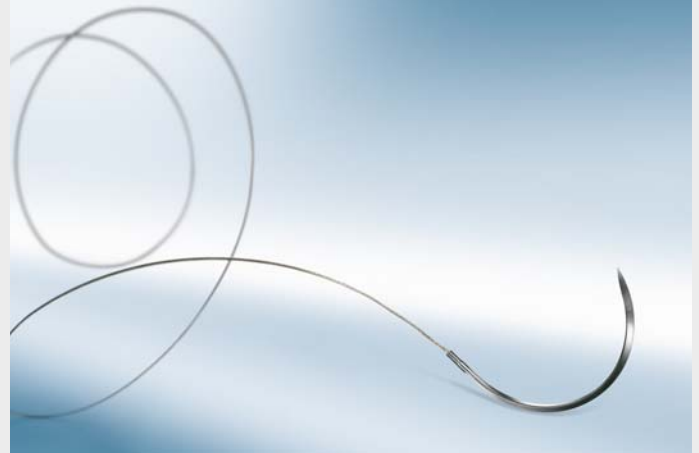
Steelex® is the basis for products like the Sternum-Set, Electrode-Set, Ventrofil®, Patella-Set, Tendofil® and Ear-Set.

Indication

- Orthopaedics

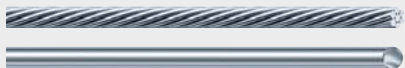
Advantages

- Exceptional tensile strength
- Excellent tissue compatibility











Steelex®

Product overview

Structure	Twisted or monofilament
	
Colour	Metallic
Chemical composition	Stainless steel
Coating	Uncoated
Origin	Metal
Sizes	USP 5/0 (1 metric) to USP 7 (9 metric)
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation

Needle-thread combination

Needle length mm	Thread length cm	USP metric								
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	
1/2 circle round bodied needle										
 HR 17 Long pack	4 x 75 Monofilament				G0592545					
 HR 26 Long pack	4 x 45 Monofilament					G0593019	G0593020			
 HR 30	75 Twisted				G0610461					
 HR 37ss Long pack	4 x 45 Monofilament						G0593052			
1/2 circle round bodied needle with trocar point										
 HRT 40	45 Twisted						G0613410			
1/2 circle reverse cutting needle										
 HS 26	45 Twisted				G0612413					
 HS 26s	45 Monofilament						G0593508			
 HS 37s	60 Monofilament				G0595950					
	Sow 75 Monofilament					G0592960				

C Box of 36 units

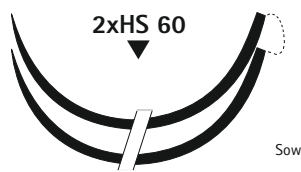
B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm	USP metric							
		3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	4 6	5 7

1/2 circle reverse cutting needle



75										G0599530
Monofilament										

Needle length mm	Thread length cm	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6

3/8 circle reverse cutting needle



45	G0612197									
Twisted										
75			G0595209	G0595217						
Monofilament										



45			G0612340	G0612359						
Twisted										
75				G0594350						
Monofilament										



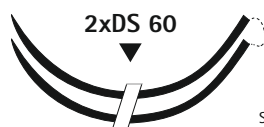
45					G0612472					
Twisted										
75						G0592471				
Monofilament										



45					G0592793					
Monofilament										



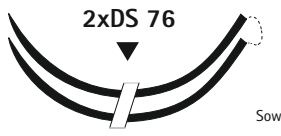
60									G0595230	
Monofilament										



75									G0599409	G0599417
Monofilament										

Steelex®

Needle-thread combination

Needle length mm	Thread length cm	USP metric							
		2/0 3	0 3.5	1 4	2 5	3 6	4 6	5 7	6 8
3/8 circle reverse cutting needle									
	75								
	Monofilament					G0599484		G0599492	G0599506

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

	Thread length cm	USP metric							
		3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	4 6	5 7
Pre-cut sutures									
6 threads of 45 cm <small>Long pack</small>	6 x 45 Monofilament	G0098442	G0098469	G0098477	G0098485	G0098493	G0098507		G0098515
3 threads of 60 cm <small>Long pack</small>	3 x 60 Monofilament	G0094250	G0094269	G0094277	G0094285				
	Thread length cm	USP metric							
		0 3.5	1 4	2 5	3 6	4 6	5 7	6 8	7 9
Pre-cut sutures									
6 threads of 45 cm <small>Long pack</small>	6 x 45 Monofilament							G0098523	G0098531
	Thread length cm	USP metric							
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6
Ligature reels									
1 thread of 150 cm	1 x 150 Monofilament				G0092061	G0092070	G0092096	G0092100	
1 thread of 150 cm	1 x 150 Twisted			G0112054					
1 thread of 250 cm	1 x 250 Monofilament				G0094137		G0094153		

Linatrix®

Non-absorbable sutures

Description

Linatrix® is a non-absorbable twisted suture made of flax fibres of linen and treated with silicone compounds and polyvinyl solution. Linatrix® is indicated for use in the gastro-intestinal tracts and for making ligatures.

Indication

- Ligatures in gastrointestinal surgery


Advantages

- Exceptional handling properties
- Excellent knot security













Linatrix®

Product overview

Structure	Twisted 
Colour	Natural white
Chemical composition	Flax fibres of linen
Coating	Silicone and polyvinyl solution
Origin	Natural
Sizes	USP 3/0 (2 metric) to USP 4 (6 metric)
Type of absorption	Non-absorbable
Sterilisation	Ethylene oxide

Needle-thread combination

Needle length mm	Thread length cm	USP metric								
		5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	
1/2 circle round bodied needle										
 HR 22	75			C0630306	C0630314					
 HR 26	75			C0630411	C0630420	C0630438	C0630446			
 HR 30	75			C0630462	C0630470	C0630489	C0630497			
 HR 37	75				C0630519	C0630527	C0630535	C0630543		
 HR 40	75						C0630659			
3/8 circle round bodied needle										
 DR 26	75				C0631051					
 DR 32	75					C0631183				
Straight round bodied needle										
 GR 51	100			C0634620						
3/8 circle reverse cutting needle										
 DS 35	75						C0632210			
Straight cutting needle										
 GS 51	75					C0632708				

Needle length mm	Thread length cm	USP metric							
		4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5	3 6	4 6
Pre-cut sutures									
10 threads of 45 cm	10 x 45					B0136697			
6 threads of 60 cm	6 x 60					B0138495			
2 threads of 75 cm	2 x 75		C0134058	C0134066	C0134074	C0134090	C0134104		
5 threads of 75 cm	5 x 75					B0134481	B0134503		
10 threads of 75 cm	10 x 75		C0134651	C0134660	B0134678				
1 thread of 150 cm	1 x 150		C0132055	C0132063	C0132071	C0132098	C0132101	C0132110	C0132128
Ligature reels									
1 thread of 250 cm	1 x 250		G0130222	G0132144	G0132152	G0132160	G0130265	G0130273	

Mechanical sutures

Manipler® AZ

Skin staple remover

Manipler® AZ

Reliable consistent performance

Description

The Manipler® AZ is a sterile single-use skin stapler designed to deliver 35 stainless steel staples at the end of any surgical procedure. It offers security and reliability, thus reducing the risk to the patient.

Indication

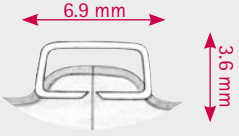
Manipler® AZ skin stapler can be used for routine skin closure in a wide variety of surgical procedures, e. g.:

- General surgery
- Gynaecology
- Orthopaedics
- Thoracic surgery
- Heart and vascular surgery
- Urology
- Others



Advantages

- High quality construction
- Well balanced weight and ergonomic design
- Slim grip design
- Special angled head
- Flexible placement angle
- Alignment indicator

Size	Content / box	Cat. No.	Shape and staple dim.
35 W Cartridge loaded with 35 wide staples	6 units	783100	

Skin staple remover

Fast and easy

Description

The single-use and re-usable skin staple removers are designed to provide fast and easy removal of all types of surgical skin staples.

Indication

Removal of surgical skin staples

Advantages

- Removes atraumatically all brands of surgical skin staples
- Fast and easy removal
- Available in re-usable and single-use version
- Easy to handle, making removal simple and safe



Product description	Content / box	Cat. No.
Single-use skin staple remover	6 units	783101
Re-usable skin staple remover	1 unit	783102

Sets

Episio-Set

Safil® Parenchyma-Set

Securex®

Dermaset

Tendo-Loop

Cervix-Set

Ear-Set

Patella-Set

Tendofil®

Ventrofil®

Surgical Loop

Sternum-Set

Steelex® Electrode-Set

Pro-Set

Sets

Colour and article coding for easy box content identification



Sets

Colour and article coding for easy box content identification



Episio-Set

For episiotomies

Description

The Episio-Set has been developed to make episiotomy closure easier. All sutures required for this surgical procedure are presented together in one single Direct Dispense Packaging (DDP).

Properties

- High initial tensile strength
- Smooth passage through tissue
- Short term degradation profile:
 - 50 % initial tensile strength after 5 days
- Complete mass absorption within 42 days

Indication

- Episio-Set is indicated for episiotomy closure




Advantages

- Quick identification of needle-suture combination
- Direct presentation of all the suture material once the DDP pack is opened
- Individually removable sutures









Episio-Set

Product overview

Structure	Multifilament, braided
	
Colour	Undyed
Chemical composition	100 % polyglycolic acid
Coating	Glyconate
Origin	Synthetic
Sizes	Combinations of USP 1 (4 metric) and USP 3/0 (2 metric)
Type of absorption	Absorption by hydrolysis
Sterilisation	Ethylene oxide

Episio-Set

For episiotomies






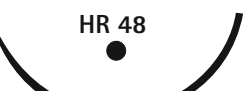




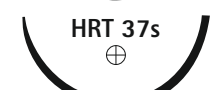
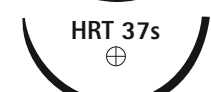
Safil® Quick	Length	USP (metric)	Units / box	Catalogue No.
 DS 24  HRT 37	70 cm 90 cm	2/0 (3) 0 (3.5)	36 units	C1046918
 DS 24  HR 43s	70 cm 90 cm	2/0 (3) 0 (3.5)	24 units	B1046106
 DS 24  HRT 43	70 cm 90 cm	2/0 (3) 0 (3.5)	36 units	C1046910
 HS 37s  HR 37s	140 cm 140 cm	2/0 (3) 2/0 (3)	36 units	C1046913

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Safil® Quick	Length	USP (metric)	Units / box	Catalogue No.
  	70 cm 90 cm 90 cm	3/0 (2) 2/0 (3) 2/0 (3)	24 units	75541A
  	70 cm 70 cm 70 cm	0 (3.5) 0 (3.5) 0 (3.5)	24 units	B1046921
  	70 cm 70 cm 70 cm	2/0 (3) 2/0 (3) 2/0 (3)	24 units	B1046922
  	70 cm 90 cm 90 cm	2/0 (3) 0 (3.5) 0 (3.5)	24 units	B1046916

Safil® Parenchyma-Set

For parenchymal organs

Description

Parenchyma-Set is a special suture set consisting of an absorbable Safil® violet tape of polyglycolic acid, attached to a round bodied blunt needle. It presents wide structure and soft consistence to avoid incision and devitalisation of the parenchymal organ.

Indication

- Safil® Parenchyma-Set is indicated for adaptation and haemostasis of parenchymal organs


Advantages

- Outstanding flexibility and softness thanks to its flat woven structure
- Excellent tissue compatibility; absorption occurs by hydrolysis
- This wide tape shape minimize tissue cutting effect
- No tape memory





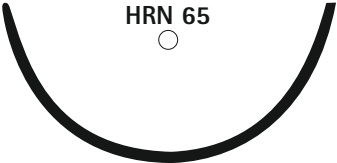
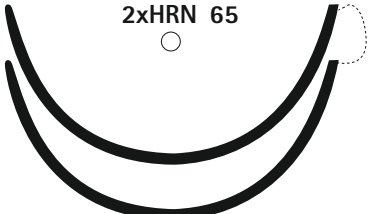
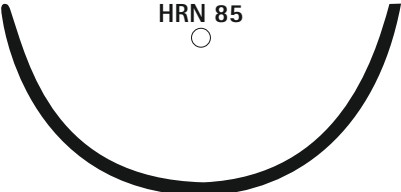
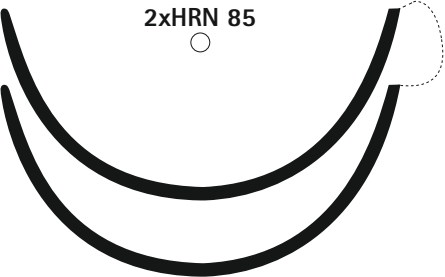
Safil® Parenchyma- Set

Product overview

Structure	Tape
	
Colour	Violet
Chemical composition	Polyglycolic acid
Coating	Uncoated
Origin	Synthetic
Sizes	3 mm wide tape
Type of absorption	Absorption by hydrolysis
Sterilisation	Ethylene oxide

Safil® Parenchyma-Set

For parenchymal organs

Safil® tape	Length	Width	Content / box	Catalogue No.
 <p>HRN 45</p>	60 cm	3 mm	6 sets	M0998520
 <p>2xHRN 45</p>	75 cm	3 mm	6 sets	M0998519
 <p>HRN 65</p>	60 cm	3 mm	6 sets	M0998490
 <p>2xHRN 65</p>	75 cm	3 mm	6 sets	M0998489
 <p>HRN 85</p>	60 cm 90 cm	3 mm 3 mm	6 sets 6 sets	M0998295 M0998505
 <p>2xHRN 85</p>	75 cm	3 mm	6 sets	M0998284

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Securex[®]

For intracutaneous suturing

Description

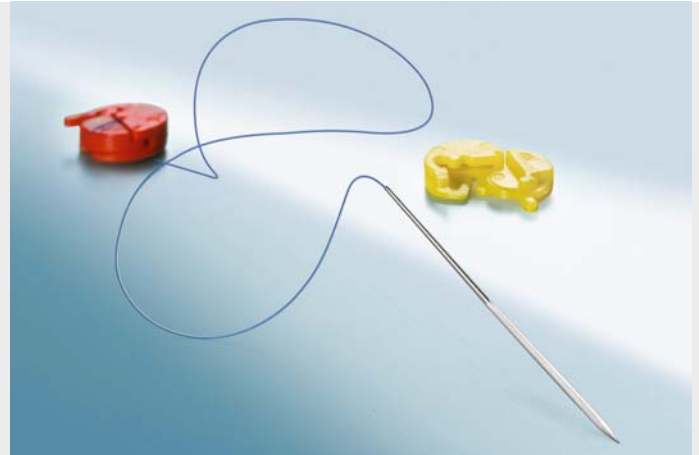
The intracutaneous suture is usually continuous and is performed with either a curved cutting needle or a straight cutting needle. As this method involves removal of the suture, a monofilament, non-capillary material with a very smooth surface is required.

The set consists of

- Safil[®] Parenchyma-Set is indicated for adaptation and haemostasis of parenchymal organs
- 2 different-coloured fixation clips (red and yellow)
- 1 curved reverse cutting or straight cutting needle attached to Premilene[®], a flexible monofilament made of blue polypropylene

Indication

- Securex[®] is indicated for tissue approximation in all dermal wounds (intracutaneous suture) that are not under tension and where the most favourable cosmetic result is desired



Advantages





















- Simplification of the intracutaneous suture technique and fixation of suture end with sterile, disposable fixation clips
- Excellent cosmetic result

Securex[®]

Product overview

Structure	Monofilament
Colour	Blue
Chemical composition	Polypropylene
Coating	Uncoated
Origin	Synthetic
Sizes	USP 4/0 (1.5 metric) to USP 2/0 (3 metric)
Type of absorption	Non-absorbable
Sterilisation	Ethylene oxide

For intracutaneous suturing

Premilene®	Accessories	Length	Catalogue No.			Units / box
			USP 4/0 met. 1.5	USP 3/0 met. 2	USP 2/0 met. 3	
DS 16 		45 cm	G0994113			12
DS 19 		45 cm	G0994211	G0994229		12
DS 24 		45 cm	G0994318	G0994326	G0994334	12
DS 35 		75 cm		G0994330		12
GS 45 		45 cm		G099455		12
GS 51 		45 cm	G0994610	G0994628	G0994636	12
GS 60 		45 cm 75 cm		G0994725 G0994784	G0994733 G0994792	12
DSMP 16 		45 cm	G0994814			12
DSMP 19 		45 cm	G0994768	G0994776		12
DSMP 24 		45 cm	G0994865	G0994873	G0994882	12

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Dermaset

For full-thickness skin graft suturing

Description

Dermaset is a special surgical set intended for full-thickness skin graft suturing techniques.

The set consists of

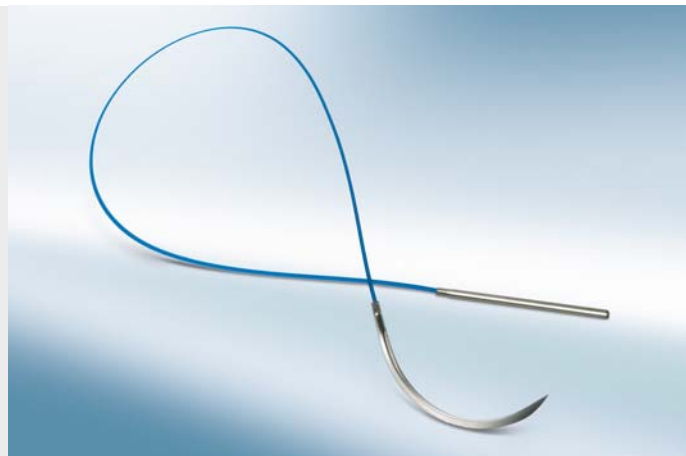
- 8 Premilene® (polypropylene) threads each of them armed with a curved DS atraumatic needle on one end and a straight blunt-ended GRN12 needle on the other end
- A polyurethane tube and a polyethylene clamp

Indications

- Full-thickness skin grafting in cases of cutaneous tumor excisions (basal cell carcinoma, melanoma, squamous cell carcinoma)
- Full-thickness skin grafting in cases of burnt skin
- Areola grafting in cases of breast reconstruction and breast reduction using the "thorek technique"

Advantages

- Possibility to check the evolution of the graft as often as desired



- No memory effect on thread thanks to the packaging. Thus, no threads crossing
- Same tension on all threads and same pressure evenly distributed throughout the graft's surface
- Can be used for any surface, small or large (2-10 cm diameter)
- Dermaset represents a major improvement to traditional skin graft suturing techniques such as the tie-over technique

Dermaset

Product overview

Structure

Monofilament



Colour

Blue

Chemical composition

Polypropylene

Coating

Uncoated

Origin

Synthetic

Sizes

USP 6/0 (0.7 metric) and USP 2/0 (3 metric)

Type of absorption



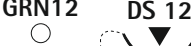







Non-absorbable

Sterilisation

Ethylene oxide

Dermaset

For full-thickness skin graft suturing

Premilene®	Accessories	Length	USP (metric)	Units / box	Catalogue No.
GRN12 DS 9 		8 x 15 cm	USP 6/0 (0.7)	12	G0091002
GRN12 DS 12 		8 x 15 cm	USP 4/0 (1.5)	12	G0091000
GRN12 DS 16 		8 x 15 cm	USP 3/0 (2)	12	G0091001
GRN12 DS19 		8 x 15 cm	USP 2/0 (3)	12	G0090999
GRN12 DS19 		8 x 25 cm	USP 2/0 (3)	12	G0091005

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Tendo-Loop

For the repair of ruptured tendons according to Tsuge technique

Description

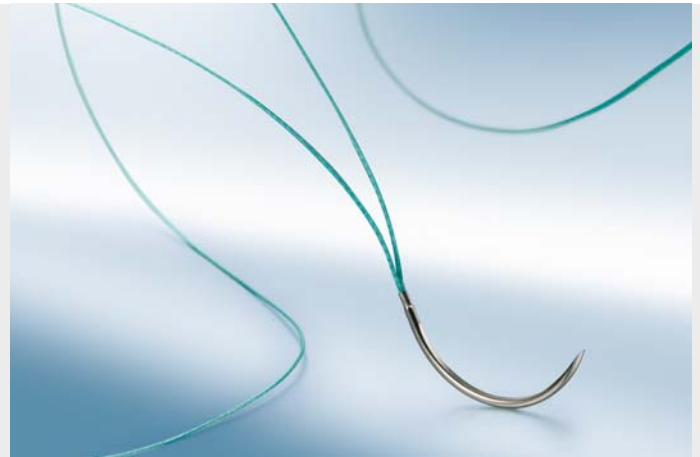
Tendo-Loop is a suture set for the adaptation of ruptured tendons according to the Tsuge technique. Tendo-Loop consists of a 30 cm loop of braided polyester attached to a trocar needle. The usage of Tendo-Loop enables damaged tendons to be repaired easily and rapidly.

Indications

- Acute tendosutures
- Hand flexor tendons
- Hand extensor tendons


Advantages

- Atraumatic procedure
- Uninterrupted microcirculation
- Easy method
- Reduced operation time
- Reduced risk of:
 - Adhesions
 - Scarring
 - Tendon dehiscences




Tendo-Loop

Product overview

Structure	Braided
	
Colour	Green
Chemical composition	Polyester
Coating	(Coated with polyethylene / vinyl acetate)
Origin	Synthetic
Sizes	USP 4/0 (1.5 metric) to USP 3/0 (2 metric)
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation

Tendo-Loop

For the repair of ruptured tendons according to Tsüge technique

Synthofil green	Length	USP (metric)	Units / box	Catalogue No.
DRT 18 	30 cm	4/0 (1.5)	24 units	99 2178
	30 cm	3/0 (2)	24 units	99 2186

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Cervix-Set

For the treatment of cervical incompetence

Description

Cervix-Set is a special suture set for the treatment of cervical incompetence during pregnancy.

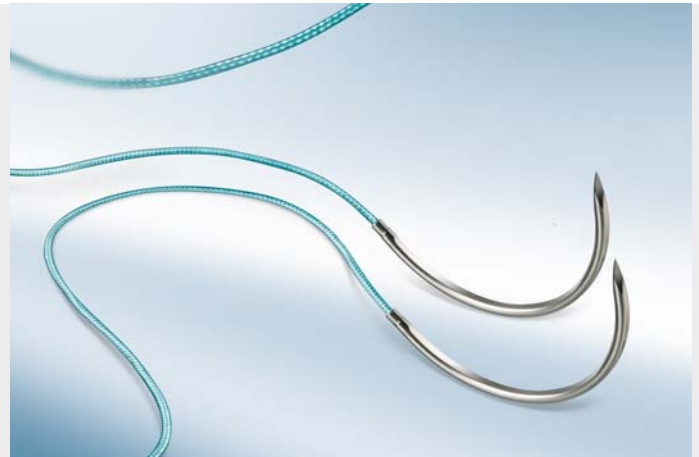
Cervix-Set for the ligature of the cervix according to the Shirodkar technique consists of a polyester tape or thread equipped at each end with blunt round-bodied needles.

Cervix-Set for the ligature of the cervix according to McDonald or Wurm-Hefner techniques consists of a polyester thread equipped at each end with sharp round-bodied needles.

Indications

For the treatment of cervical incompetence by the following techniques:

- Ligature of the cervix according to the Shirodkar technique
- Ligature of the cervix according to the McDonald technique (purse string ligature)
- Ligature of the cervix according to the Wurm-Hefner technique (mattress or U ligature)



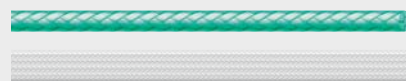
Advantages

- Cervix-Set prevents an incompetent neck of the uterus from opening. This reduces the danger of premature labour and the occurrence of a late abortion or a premature birth

Cervix-Set

Product overview

Structure Braided thread or tape



Colour Green or white

Chemical composition Polyester

Coating Uncoated

Origin Synthetic

Sizes USP 6 (8 metric), 0.5 cm

Type of absorption Non-absorbable

Sterilisation Gamma-irradiation

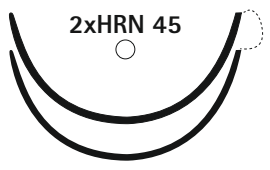
Cervix-Set

For the treatment of cervical incompetence

For purse string ligature (Mc. Donald / Wurm-Hefner techniques):

Dagrofil®	Length	Colour & Structure	USP (metric)	Units / box	Catalogue No.
 <p>2xHRT 48 ⊕</p>	75 cm	Green thread	USP 6 (8)	12	99 7307

For encircling (Shirodkar technique):

Dagrofil®	Length	Colour & Structure	USP (metric)	Units / box	Catalogue No.
 <p>2xHRN 45 ○</p>	50 cm 50 cm	Green thread White tape	USP 6 (8) 0.5 cm	6 6	99 7064 99 7145
 <p>2xHRN 65 ○</p>	50 cm 50 cm	Green thread White tape	USP 6 (8) 0.5 cm	12 12	99 6076 99 6173

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Ear-Set

For ear reconstruction

Description

The Ear-Set is a special suture set intended for ear reconstruction techniques. It represents a specific needle thread combination designed to make the ear reconstruction easy and feasible by using cartilage from the ribs.

Ear-Set consists of 5 Steelex® stainless steel threads, double-armed with straight GS atraumatic needles.

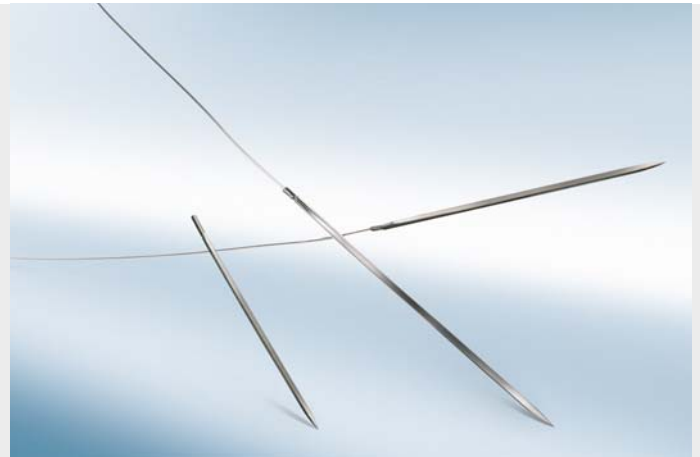
Ear-Set includes 2 extra needles used for fixation of the cartilage when sculpting the new ear.

Indication

- Ear Set is indicated for ear reconstruction


Advantages

- Excellent tissue compatibility
- No memory effect on thread thanks to the packaging
- Full set with all sutures needed for the complete ear reconstruction





Ear-Set

Product overview

Structure	Monofilament
	
Colour	Metallic
Chemical composition	Stainless steel
Coating	Uncoated
Origin	Metal
Sizes	USP 5/0 (1 metric) and USP 4/0 (1.5 metric)
Type of absorption	Non-absorbable
Sterilisation	Ethylene oxide

Ear-Set

For ear reconstruction

Monofil Steelex®	Accessories	Lenght	USP (metric)	Units / box	Catalogue No.
2xGS 20 	2 fixation needles 	5 x 15 cm	USP 5/0 (1)	12	G0599727

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Patella-Set

For fractures of the patella

Description

The Patella-Set is a special suture set for the treatment of fractures of the patella.

The Patella-Set consists of a monofilament steel wire and a reverse cutting needle.

Indications

- The Patella-Set is indicated for all fractures of the patella that are treated by applying tension loops, cerclage or combinations of these or in connection with Kirschner wires


Advantages

- The Patella-Set shortens the postoperative immobilisation period considerably
- The Patella-Set is also suitable for osteosynthesis of the knee cap using tension loops in combination with cerclage or with Kirschner wire



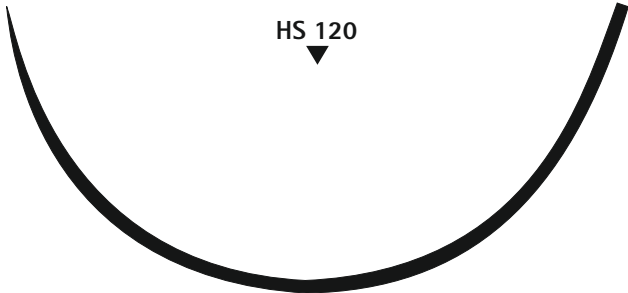
Patella-Set

Product overview

Structure	Monofilament
	
Colour	Metallic
Chemical composition	Stainless steel
Coating	Uncoated
Origin	Metal
Sizes	USP 7 (9 metric)
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation

Patella-Set

For fractures of the patella

Monofil Steelex®	Length	USP (metric)	Units / box	Catalogue No.
	60 cm	USP 7 (9)	12	991120

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Tendofil®

For the repair of ruptured tendons according to the Lengemann technique

Description

Tendofil® is a special surgical set for the adaptation of ruptured tendons according to the Lengemann technique. Tendofil® consists of a double wire attached to a straight needle at one end and a curved needle at the other end. In addition, Tendofil® is equipped with a V-shaped barb.

Indication

- Tendofil® is used to produce a blocking, expandable double wire tendon suture according to the Lengemann technique for the treatment of ruptured flexor tendons or strong extensor tendons in the hand that are not subject to great strain

Advantages

- Tendofil® double wire suture brings the two ends of the tendon together. When the healing tendon has sufficient strength, Tendofil® is removed



Tendofil®

Tendofil®

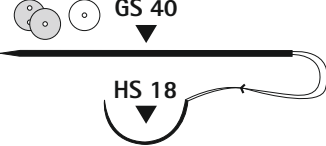
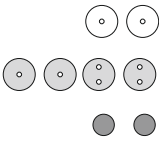
Product overview

Structure	Twisted
Colour	Metallic
Chemical composition	Stainless steel
Coating	Uncoated
Origin	Metal
Sizes	USP 3/0 (2 metric)
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation



Tendofil®

For the repair of ruptured tendons according to the Lengemann technique

Polyfil Steelex®	Accessories	Length	USP (metric)	Units / box	Catalogue No.
	1 perforated silicone disc 2 perforated metal discs	2 x 40 cm	USP 3/0 (2)	12	992127
Accessories set 	2 perforated silicone discs 4 perforated metal discs 2 perforated leads			24	992992

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Ventrofil®

For tension relief

Description

Ventrofil® is a special suture set for the treatment and prevention of abdominal ruptures after laparotomy or other wound dehiscence and for the relief of strain on existing wounds.

Indications

- General disturbances of wound healing (obesity, diabetes, advanced patient age,...)
- Septic operations
- Emergency laparotomies
- Relaparotomies
- Broncho-pulmonary infections
- Carcinoma operations
- Long-lasting operations
- Coagulation disorders

Advantages

- Less pressure on the skin; minimized pressure necroses
- Easy handling; assembly not necessary
- Possibility to vary the suture positions



- Easy fixation of the wire
- Particles or moisture cannot penetrate the padded plates
- Great flexibility of the multifilament coated wire
- The coated wire does not cut into the tissue and glides smoothly through it
- Without capillarity, minimizes the infection

Ventrofil®

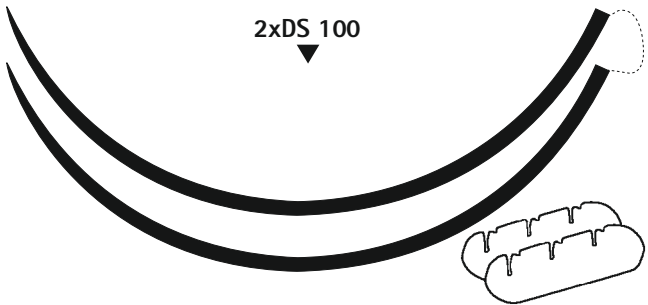
Product overview

Structure	Twisted
Colour	Metallic
Chemical composition	Stainless steel
Coating	Cover of polyethylene
Origin	Metal
Sizes	1.3 mm
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation



Ventrofil[®]

For tension relief

Polyfil Steelex [®]	Accessories	Length	Diameter	Units / box	Cat. No.
 <p data-bbox="375 560 486 593">2xDS 100</p>	2 polyethylene plates	75 cm	1.3 mm	4	99 3042
	2 polyethylene plates	90 cm	1.3 mm	4	99 3034

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Surgical Loop

For organ retraction and more

Description

Surgical Loops are retraction tapes made of radiopaque silicone, cotton or polyester. The surgical tapes are used for the intraoperative isolation, marking, mechanical support and looping of organs, blood vessels, tendons and nerves, or for tying off the umbilical cord of the new born infant.

Indications

Surgical Loop is used to:

- Retract nerves, tendons, arteries, veins, ureters, vessels and other structures to access the operation site
- Differentiate and/or identify organs or areas while operating
- Clamp

Advantages

Security

- Strong and reliable
- Single-use
- Atraumatic
- Silicone radiopaque Surgical Loop



Convenience

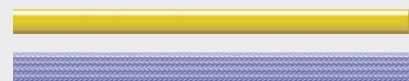
- Extremely smooth surface
- Pliable
- No tissue adherence
- Easy, convenient and safe packaging presentation
- Distinct colours to ease differentiation
- Various product dimensions to suit all purposes

Surgical Loop

Product overview

Structure

Tube, braided tape



Colour

White, blue, green, yellow, red, violet

Chemical composition

Silicone, cotton, polyester

Coating

Uncoated

Origin

Synthetic, natural

Sizes

1.2 - 2.5 mm (silicone)
4 - 8 mm (cotton)
3.2 - 4 mm (polyester)

Type of absorption

Non-absorbable






Sterilisation

Ethylene oxide






Surgical Loop

For organ retraction and more

Radiopaque silicone tube

Diameter	Length	Units / box	Colour / code			
						
1.5 mm	2 x 45 cm	24	B1095048	B1095021	B1095030	B1095013
1.5 mm	75 cm	24	B1095242	B1095226	B1095234	B1095218
2.5 mm	2 x 45 cm	24	B1095145	B1095129	B1095137	B1095110
2.5 mm	75 cm	24	B1095544	B1095528	B1095536	B1095510
1.2 mm	2 x 45 cm	24	B1095552	The thread is attached to a DRN 25 needle		

Cotton braided tape

Width	Length	Units / box	Colour / code			
						
4 mm	2 x 38 cm	24	B1094920			
4 mm	75 cm	24	B1095641	B1095633	B1095625	B1095650
8 mm	75 cm	24	B1095676		B1095668	
4 mm	75 cm	24	B1095617	The tape is attached to a GS 65 needle		
						

Polyester braided tape

Width	Length	Units / box	Colour / Code
			
3.2 mm	2 x 75 cm	24	B1094904
4 mm	75 cm	24	B1094912

Sternum-Set

For sternum closure

Description

Steelex® Sternum-Set is a non-absorbable corrosion-resistant steel monofilament to which a fixed or rotating needle (axial) is attached. Steelex® Sternum-Set is available in sternum, short cutting and blunt point needles.

Sternum-Set is also available in polyester sutures (PremiCron®) to improve handling and knotting properties.

Indication

- Sternal closure

Advantages

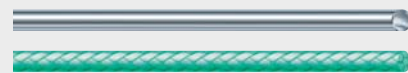
- Strong and secure needle-wire attachment, specifically designed for sternal suturing requirements
- High performing atraumatic needles in terms of penetration and bending strength
- Easy dispensing memory free packaging for stainless steel wires available
- Outstanding ductility of the stainless steel wire



Sternum-Set

Product overview

Structure Monofilament (Steelex®) or braided (PremiCron®)



Colour Metallic (Steelex®) or green (PremiCron®)

Chemical composition Stainless steel or polyester

Coating Uncoated or silicone

Origin Metal or synthetic






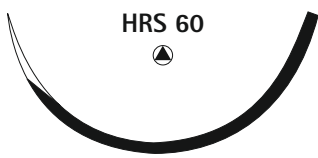


Sizes USP 1 (4 metric) - USP 7 (9 metric) or USP 2 and 5 (PremiCron®)

Type of absorption Non-absorbable

Sterilisation Ethylene oxide or gamma-irradiation

Sternum-Set

For sternum closure
Steelex® Product Range


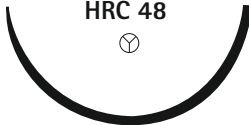





Needle length mm	Thread length cm	USP metric						
		1 4	2 5	3 6	4 6	5 7	6 8	7 9
1/2 circle round bodied needle with sternum point								
 HRS 40	4 x 45	G0617835	G0617838					
	4 x 45 axial 5x45	G0617851	G0617848 G0617839		G0617854			
 HRS 48	4 x 45		G0617780		G0617784	G0617717	G0617814	G0617795
	4 x 45 axial 5 x 45				G0617792	G0617733 G0617718	G0617806 G0617815	G0617796 G0617798
	6 x 45 8 x 45 2 x 75					G0617719 G0617559		G0617762
 HRS 48 Sow	45					G0617555	G0617556	
	45 axial					G0617545	G0617546	
 Sow	75					G0617579	G0617580	
	75 axial					G0617563	G0617564	
 HRS 55	75					G0617020		
 HRS 60	4 x 45					G0617742		
	4 x 45 axial					G0617741		
	6 x 45 2 x 75 2 x 75 axial					G0617776 G0617750	G0617737	G0617736
 Sow	45					G0617864		
	45 axial					G0617865		
 Sow	75					G0610008		
	75 axial					G0617040		

C Box of 36 units

B Box of 24 units

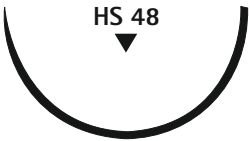
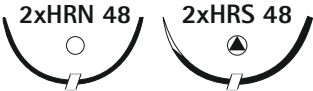


G Box of 12 units

M Box of 6 units




Needle length mm	Thread length cm	USP metric						
		1 4	2 5	3 6	4 6	5 7	6 8	7 9
1/2 circle round bodied needle with short cutting point								
 HRC 37ss	2 x 45	G0617145	G0617143					
	4 x 45	G0617144	G0617142					
	2 x 60		G0617520					
 HRC 48	4 x 45					G0617135	G0610167	
	6 x 45					G0610017	G0610018	
	4 x 75					G0617134		
1/2 circle round bodied needle with blunt point								
 HRN 48	2 x 45						G0617703	
	3 x 45					G0617633	G0617813	G0617550
	4 x 45					G0617749		
 HRN 48	5 x 45							G0617804
	6 x 45						G0617575	
 HRN 48	2 x 75							G0617770
	4 x 75							G0617802
 HRNs 48	4 x 45							G0617250
 HRN 60	4 x 45							G0617120
	2 x 75					G0617660		

Sternum-Set

For sternum closure

Needle length mm	Thread length cm	USP metric						
		1 4	2 5	3 6	4 6	5 7	6 8	7 8
1/2 circle reverse cutting needle								
	4 x 45				G0617681			
COMBO								
	4 x 45 4 x 75					G0617880	G0617881	G0617882 G0617892
	4 x 45					G0617995	G0617996	
	6 x 45						G0617901	

PremiCron® Product Range

1/2 circle round bodied needle with sternum point								
	4 x 75		B0026766					
	4 x 75		B0026767			G0026702		
	4 x 75					G0026705		

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Steelex[®] Electrode-Set

For the control and treatment of arrhythmias

Description

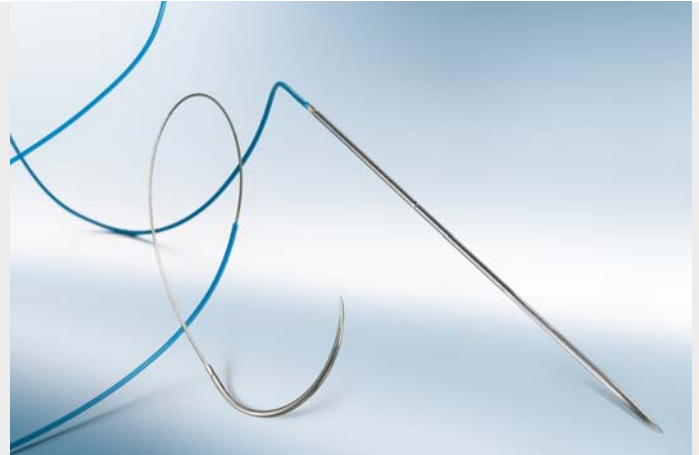
The Electrode-Set is a temporary cardiac pacing wire used to treat arrhythmias during and after open heart surgery. It consists of a twisted stainless steel, multistrand wire partially insulated with a sheath of blue or white polyethylene.

Indication

- Temporary atrial and ventricular pacing and sensing during and after cardiac surgery

Advantages

- Exceptional strength with great flexibility and handling characteristics
- Multifilament construction for improved handling properties and reduced fatigue and fragmentation
- Polyethylene sheath facilitates extraction and provides highly efficient insulation for reliable pacing
- Electro-passive in tissue fluids
- Break-off needle for improved connection to pacemaker or extension cable
- High conductivity



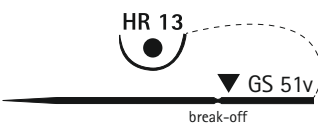
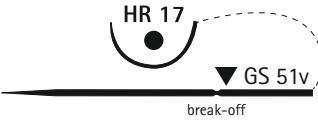
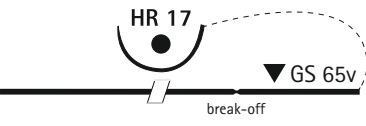
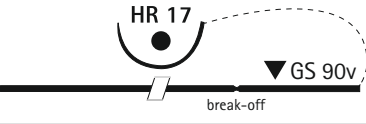


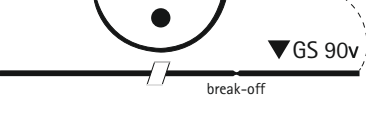


Steelex[®] Electrode-Set

Product overview

Structure	Twisted
Colour	Metallic
Chemical composition	Stainless steel
Coating	Insulated with polyethylene
Origin	Metal
Sizes	USP 0 (3.5 metric) - USP 3/0 (2 metric)
Type of absorption	Non-absorbable
Sterilisation	Ethylene oxide

Steelex[®] Electrode-Set

For the control and treatment of arrhythmias

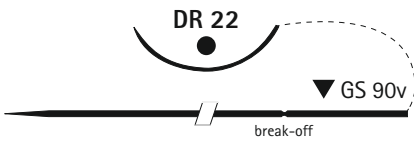
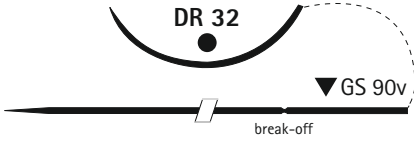
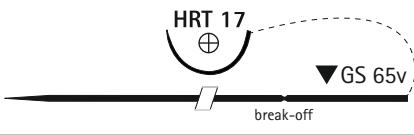
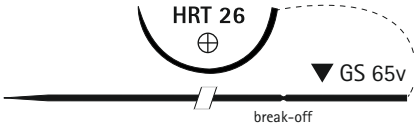
Needle length mm	Thread length cm (colour)	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
1/2 circle round bodied needle								
	2 x 60 B&W				C099008			
	60 Blue				C0992054			
	60 Blue				C0992038			
	2 x 60 B&W				C0992703			
	2 x 60 B&W				C0992717			
	60 Blue				C0992046	C0992097	C0992100	
	2 x 60 Blue				C0992045			
	2 x 60 B&W				C0992704			
	60 Blue				C0992130	C0992131	C0992132	
	2 x 60 B&W				C0992720	C0992721	B0992722	

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm (colour)	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
3/8 circle round bodied needle								
 <p>DR 22 ▼ GS 90v break-off</p>	60 Blue					C0992110		
	2 x 60 B&W					C0992713		
 <p>DR 32 ▼ GS 90v break-off</p>	60 Blue					C0992105		
	2 x 60 B&W						B0992710	
1/2 circle round bodied needle with trocar point								
 <p>HRT 17 ▼ GS 65v break-off</p>	60 Blue				C0992062			
	60 Blue					C0992070		
 <p>HRT 26 ▼ GS 65v break-off</p>	60 Blue							
	60 Blue							

Pro-Set

Suture sets customized to your particular needs

Individually tailored to your needs during surgery

- Can include not only sutures but also other B. Braun products separately sterilized
- Various sizes available for specific surgical procedures / needs
- Reduces preparation time
- Simplifies the logistics of the medical procedure
- Sutures can be placed in order of use
- Comes provided with an adhesive label describing the set contents in order to simplify patient documentation

Cost reduction

- Standardises procedure / minimises the material used
- Relieves clinical staff from organizational tasks
- Reduces administrative costs



Ecological benefits

- Reduces packaging
- Minimizes disposal time and costs

Pro-Set

Product overview: sterile units available in three kinds of packaging

Mini-Pack

- For up to 8 suture foils
- A peel pack guarantees the sterile transfer



Two types of containers

- Single size for up to 14 suture foils
- Double size for up to 28 suture foils
- A blister guarantees the sterile transfer



Meshes

Non-absorbable meshes

Absorbable meshes

Non-absorbable meshes hernia

Premilene® Mesh

Premilene® Mesh Plug

Optilene® Mesh

Optilene® Mesh LP

Optilene® Mesh Elastic

Omyra® Mesh

Non-absorbable meshes hernia

Colour and article coding for easy box content identification



Premilene® Mesh

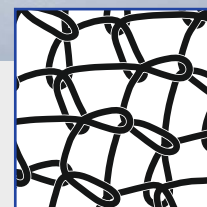
Traditional polypropylene mesh for hernia repair

Description

Premilene® Mesh, made from monofilament polypropylene, is used for hernia repair or for reconstruction of the chest wall. The monofilaments are knitted into an elastic, durable, mesh. Premilene® Mesh is characterized by the extreme dimensional stability of its thin mesh wall. It adapts optimally to movements of the patient. The technically advanced mesh structure is retained after cutting and does not fray. Premilene® Mesh is highly transparent so that tissue underneath is visible during surgery.

Indications

- Open inguinal hernia
- Laparoscopic inguinal hernia (TAPP & TEP)
- Open incisional hernia
- Fascia defects
- Abdominal wall reconstruction
- Incisional hernia prevention
- Chest wall reconstruction



Advantages

- Rapid healing and tissue penetration
- Thin mesh structure
- Excellent transparency
- Good handling
- Excellent biocompatibility




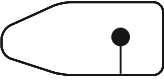
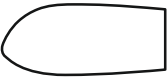



Premilene® Mesh

Product features

Chemical composition	Polypropylene
Structure	knitted monofilament
Colour	White / transparent
Type of absorption	Non-absorbable
Weight	82 g/m ²
Sterilization	Ethylene oxide
Pore size	0.8 mm

Premilene® Mesh

Traditional polypropylene mesh for hernia repair

Sizes	Units / box	Cat. No.	Shape
3 x 10 cm	5 pieces	1064305	Rectangle 
5 x 10 cm	5 pieces	1064315	
5 x 30 cm*	5 pieces	1064445	
7.5 x 15 cm	5 pieces	1064425	
10 x 15 cm	5 pieces	1064495	
26 x 36 cm	5 pieces	1064465	
30 x 50 cm	5 pieces	1064475	
7.5 x 7.5 cm	5 pieces	1064415	Square 
15 x 15 cm	5 pieces	1064435	
30 x 30 cm	5 pieces	1064455	
4.5 x 10 cm	5 pieces	1064385	Hole / tail 
6 x 14 cm	5 pieces	1064375	
4.5 x 9.5 cm	5 pieces	1064325	Key hole 
6 x 12.5 cm	5 pieces	1064335	
4.5 x 10 cm	5 pieces	1064345	Preshaped 
6 x 14 cm	5 pieces	1064365	
10 x 15 cm	5 pieces	1064535L	Slit and cover left 
10 x 15 cm	5 pieces	1064545R	Slit and cover right 
8 x 12 cm	5 pieces	1064395	Precut 

* Prevention of incisional hernia in primary closure.

Premilene® Mesh Plug

Self-expandable polypropylene mesh plug for inguinal hernia repair

Description

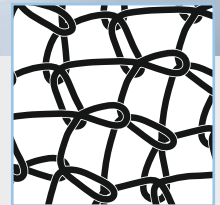
Premilene® Mesh Plug is a monofilament polypropylene mesh plug designed for the repair of recurrent hernias and can also be used for primary inguinal hernias. The smooth self-expanding plug fills the defect perfectly. The plug adapts optimally to the shape of the defect and the natural anatomy. Premilene® Mesh Plug is a pre-shaped mesh with excellent properties: Rapid healing and tissue penetration, high biocompatibility and stability. It is able to conform to the movements of the patient and the blunt tip avoids any discomfort in the patient.

Indication

- Open groin hernia repair (Rutkow-Robbins technique)

Advantages

- Self-expanding plug
- Most anatomic 3-D shape
- Smooth plug design with blunt tip for best patient comfort



- Exclusive blue center grip
- Tailorable for better anatomical adaptation
- Pre-shaped mesh onlay included for modified technique

Premilene® Mesh Plug

Product features

Chemical composition	Polypropylene
Structure	warp-Knitting monofilament
Colour	White / transparent
Type of absorption	Non-absorbable
Weight	82 g/m ²
Sterilization	Ethylene oxide
Pore size	0.8 mm

Premilene[®] Mesh Plug

Self-expandable polypropylene mesh plug for inguinal hernia repair

Plug	Plug depth	Onlay size	Units / box	Cat. No.	Shape
Small	2.5 cm	5 x 10 cm	5 pieces	1064605	
Medium	3.25 cm	5 x 10 cm	5 pieces	1064615	
Large	3.75 cm	5 x 10 cm	5 pieces	1064625	
Extra-large	4.5 cm	5 x 10 cm	5 pieces	1064635	

Optilene® Mesh

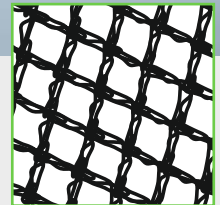
Universal mesh for inguinal and incisional hernia repair

Description

Optilene® Mesh is an universal mesh, which combines a lightweight concept with an excellent handling. It is a soft, large pore elastic mesh which is both strong and has excellent spread characteristics. When Optilene® Mesh is chosen, there is no need to modify the surgical technique. The blue guidelines allow for a well directed placement. It provides optimal handling for open and laparoscopic applications. Optilene® Mesh is a universal mesh suitable for all hernias as it can be used for both inguinal and incisional hernia repairs.

Indications

- Open inguinal hernia
- Laparoscopic inguinal hernia (TAPP & TEP)
- Open incisional hernia
- Fascia defects
- Abdominal wall reconstruction
- Chest wall reconstruction



Advantages

- Fast tissue integration
- Universal light-weight & large pores
- Blue guidelines with reinforced monofilament
- Soft, convenient and strong
- Fully transparent
- Elastic
- High biocompatibility
- Open and laparoscopic procedures





Optilene® Mesh

Product features

Chemical composition	Polypropylene
Structure	warp-knitted monofilament
Colour	White with blue stripes / transparent
Type of absorption	Non-absorbable
Weight	60 g/m ²
Sterilization	Ethylene oxide
Pore size	1.5 mm

Optilene® Mesh

Universal light-weight mesh for inguinal and incisional hernia repair

Sizes	Units / box	Cat. No.	Shape
5 x 10 cm	5 pieces	1065020	Rectangle 
5 x 30 cm*	5 pieces	1065050	
7.5 x 15 cm	5 pieces	1065030	
10 x 15 cm	5 pieces	1065040	
20 x 30 cm	5 pieces	1065160	
30 x 50 cm	5 pieces	1065170	
20 x 15 cm	5 pieces	1065180	
26 x 36 cm	5 pieces	1065060	
7.5 x 7.5 cm	5 pieces	1065070	
15 x 15 cm	5 pieces	1065080	
30 x 30 cm	5 pieces	1065090	
4.5 x 10 cm	5 pieces	1065140	Hole / tail 
6 x 14 cm	5 pieces	1065150	
4.5 x 9.5 cm	5 pieces	1065100	Key hole 
6 x 12.5 cm	5 pieces	1065110	
4.5 x 10 cm	5 pieces	1065120	Preshaped 
6 x 14 cm	5 pieces	1065130	

* Prevention of incisional hernia in primary closure.

Optilene® Mesh LP

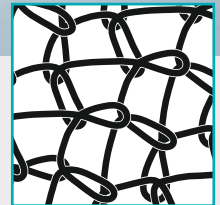
Super-light mesh ideal for inguinal hernia repair procedures

Description

Optilene® Mesh LP is a super-light monofilament polypropylene mesh which offers an excellent bio-compatibility. The foreign body reaction is reduced considerably. Optilene® Mesh LP is the alternative super-light mesh for all open hernia repair procedures. It perfectly conforms to anatomical structures. Due to its excellent flexibility Optilene® Mesh LP adapts to the patient's anatomy and movements resulting in a higher comfort. Optilene® Mesh LP offers extreme dimensional stability as well as full transparency so that the tissue underneath is visible during surgery.

Indications

- Open inguinal hernia
- Laparoscopic inguinal hernia (TAPP & TEP)
- Open incisional hernia
- Fascia defects
- Abdominal wall reconstruction
- Chest wall reconstruction



Advantages

- Super-light polypropylene
- Fast tissue integration
- Soft, thin and pliable
- Comfortable
- Full transparency
- Flexible, strong and secure
- Ideal for inguinal hernia repair to reduce chronic pain





Optilene® Mesh LP

Product features

Chemical composition	Polypropylene
Structure	warp-knitted monofilament
Colour	White / transparent
Type of absorption	Non-absorbable
Weight	36 g/m ²
Sterilization	Ethylene oxide
Pore size	1.0 mm

Optilene® Mesh LP

Super-light mesh ideal for inguinal hernia repair procedures

Sizes	Units / box	Cat. No.	Shape
3 x 10 cm	5 pieces	1064785	Rectangle 
5 x 10 cm	5 pieces	1064735	
7.5 x 15 cm	5 pieces	1064715	
10 x 15 cm	5 pieces	1064725	
15 x 20 cm	5 pieces	1064855	
6 x 35 cm*	5 pieces	1064865	
8 x 35 cm*	5 pieces	1064875	
10 x 35 cm*	5 pieces	1064885	
7.5 x 7.5 cm	5 pieces	1064755	
15 x 15 cm	5 pieces	1064705	
20 x 20 cm	5 pieces	1064895	
4.5 x 10 cm	5 pieces	1064765	Hole / tail 
6 x 14 cm	5 pieces	1064775	
6 x 12.5 cm	5 pieces	1064835	Key hole 
4.5 x 10 cm	5 pieces	1064825	Preshaped 
6 x 14 cm	5 pieces	1064845	

* Prevention of incisional hernia in primary closure.

Optilene® Mesh Elastic

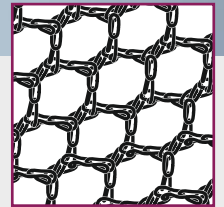
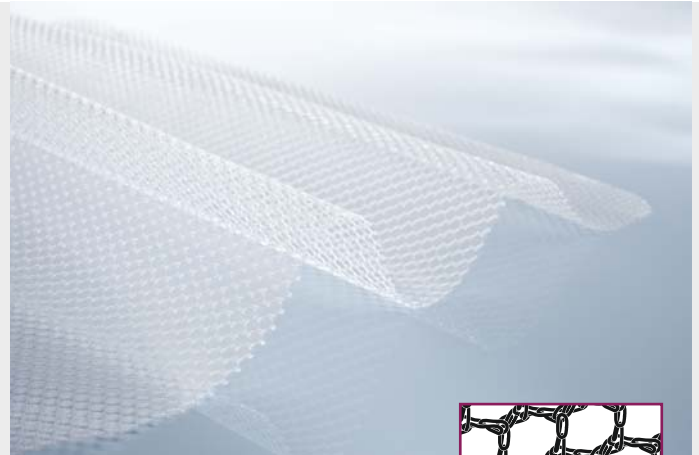
Elastic light-weight and large pore mesh

Description

Optilene® Mesh Elastic is a light-weight large pore monofilament polypropylene mesh. Due to the exact elasticity of the abdominal wall it is able to adapt to all movements taking place. The new honeycomb like structure, with one of the largest pores available on the market, permits an ideal healing and the formation of an elastic scar. Optilene® Mesh Elastic is ideal for incisional hernia repair and can also be used to repair inguinal hernias. Optilene® Mesh Elastic helps to maintain an excellent abdominal wall physiology resulting in a greater convenience and comfort for the patient.

Indications

- Inguinal hernia
- Open incisional hernia (onlay, sublay)
- Fascia defects
- Abdominal wall reconstruction
- Chest wall reconstruction



Advantages

- Mimics the abdominal wall elasticity
- Light-weight mesh
- Large pores
- Excellent patient comfort
- Better tissue integration
- Ideal for incisional hernias
- Suitable to prevent incisional hernias



Optilene® Mesh Elastic

Product features

Chemical Composition	Polypropylene
Structure	warp-knitted monofilament
Colour	White / transparent
Type of absorption	Non-absorbable
Weight	48 g/m ²
Sterilization	Ethylene oxide
Pore size	3.6 x 2.8 mm

Optilene® Mesh Elastic

Elastic light-weight and large pore mesh

Sizes	Units / box	Cat. No.	Shape
7.5 x 15 cm	5 pieces	1064930	Rectangle 
10 x 15 cm	5 pieces	1064920	
20 x 30 cm	5 pieces	1064940	
10 x 35 cm*	5 pieces	1064970	
15 x 15 cm	5 pieces	1064910	Square 
30 x 30 cm	5 pieces	1064900	

* Prevention of incisional hernia in primary closure.

Omyra[®] Mesh

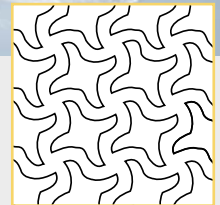
Unique condensed PTFE mesh with big pores,
ideal for intraperitoneal placement

Description

Omyra[®] Mesh brings a new concept for hernia repair within the antiadhesive mesh group. It is a film of condensed polytetrafluoroethylene (cPTFE) with very low density (0.9 g/cm³) and a macroporous star-shaped structure (2.4 mm). Omyra[®] Mesh is the first mesh in a monolayer, non-coated format which has antiadhesive and bacterial resistant properties. The cPTFE material improves the adhesion prevention features of the traditional expanded PTFE, whereas the star-macroporous structures enhance a fast tissue integration like the one achieved with polypropylene meshes. Furthermore, the transparent monolayer that Omyra[®] Mesh provides, offers excellent handling, especially in laparoscopic procedures.

Indications

- IPOM: Intraperitoneal onlay mesh hernia repair (open and laparoscopic) for incisional or inguinal hernia
- Inguinal hernia for patients who are allergic to polypropylene
- Abdominal wall reconstruction and substitution
- Compartment syndrome disease
- Chest wall reconstruction



Advantages

- Highly biocompatible with star pore structures
- Macropores to allow an excellent tissue integration
- Fast neo-peritoneum formation covering the mesh
- Impairment of bacterial growth
- Reduction of adhesion formation
- Condensed PTFE
- Transparent and tailorable ensuring an optimal handling




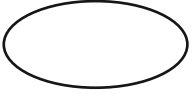
Omyra[®] Mesh

Product features

Chemical composition	Condensed polytetrafluoroethylene (cPTFE)
Structure	Large pore monolayer
Colour	White / transparent
Type of absorption	Non-absorbable
Density	0.9 g/cm ³
Sterilization	Ethylene oxide
Pore size	2.4 mm (star shape)

Omyra[®] Mesh

Unique condensed PTFE mesh with big pores,
ideal for intraperitoneal placement

Sizes	Units / box	Cat. No.	Shape
6 x 11 cm	1 piece	1060611	Rectangle
7.5 x 15 cm	1 piece	1060715	
10 x 15 cm	1 piece	1061015	
15 x 15 cm	1 piece	1061515	
15 x 15 cm	1 piece	1061515	Square 
14 x 14 cm	1 piece	1061414	Circle 
11 x 15 cm	1 piece	1061115	Oval 
15 x 22 cm	1 piece	1061522	
20 x 30 cm	1 piece	1062030	
26 x 36 cm	1 piece	1062636	

Absorbable meshes

Safil® Mesh

Safil® Mesh Bag

Absorbable meshes

Colour and article coding for easy box content identification



Safil® Mesh

Absorbable mesh for temporary wound and organ support

Description

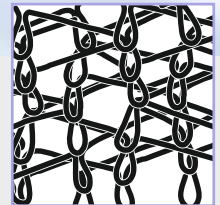
Safil® Mesh is a warp-knitted mesh made of polyglycolic acid. During the wound healing phase the porous structure increases the mechanical load capacity of the supported tissue. Safil® Mesh offers a strong support with a high burst strength. The fine mesh structure may avoid fluid accumulation and ensures excellent integration into the adjacent tissue. Due to the degradation of the material there is a low risk of late secondary infections. The elastic and pliable construction of the mesh enables perfect adaptation to the anatomy. An outstanding suture retention allows a secure mesh fixation.

Indications

- Temporary wound and organ support
- Strengthening the closure of abdominal wall defects or in the chest wall region

Advantages

- Strong support
- Excellent suture retention



- Homogeneous elongation in horizontal and vertical direction
- Mild tissue reaction
- Ideal degradation profile
- Porous mesh structure
- High anatomic adaptability
- Low risk of late secondary infections



Safil® Mesh

Product features

Chemical Composition	Polyglycolic acid
Structure	warp-knitted
Color	White / transparent
Type of absorption	Absorbable At 18 days, 50 % tensile strength complete absorption 60-90 days
Weight	56 g/m ²
Sterilization	Ethylene oxide
Pore size	0.75 mm

Safil[®] Mesh

Absorbable mesh for temporary wound and organ support

Description	Sizes	Units / box	Cat. No.	Shape
Mesh	18 x 28 cm	1 piece	1065503	Rectangle 
Mesh	15 x 25 cm	1 piece	1065504	
Mesh	8 x 12 cm	3 pieces	1065508	
Mesh	5 x 6 cm	3 pieces	1065505	
Mesh	2 x 8 cm	3 pieces	1065502	
Mesh	15 x 15 cm	1 piece	1065501	Square
Mesh	30 x 30 cm	1 piece	1065500	

Safil® Mesh Bag

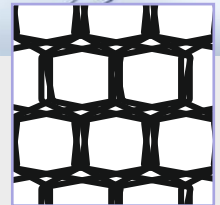
Absorbable mesh bag for organ stabilization and haemostasis

Description

Safil® Mesh bag is a warp-knitted bag made of polyglycolic acid. Through compression of injured organs haemostasis is achieved while the regular blood circulation within the tissue is sustained. In regular cases no additional suture material is necessary. If parenchymatous tissue has to be sutured in severe cases, Safil® Mesh bag offers resistance for the suture material to prevent the thread from cutting or tearing through the tissue. The thin, conformable bag gently modulates to the organs. Its reduced foreign body material helps for minor tissue reaction. Because of the adapted pore size of Safil® Mesh bag it prevents additional injury to parenchymatous organs. Through gently pulling on the holding threads a homogenous adaptation and compression is achieved.

Indications

- Organ stabilization and haemostasis in cases of trauma and in operations on different organs:
 - Spleen
 - Kidney



Advantages

- Adapted pore size
- Thin and comfortable
- Reduced foreign body material
- Mild tissue reaction
- Ideal degradation profile
- Porous mesh structure
- High anatomic adaptability
- Low risk of late secondary infections

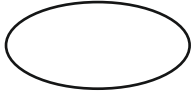

Safil® Mesh Bag

Product features

Chemical composition	Polyglycolic acid
Structure	warp-knitted
Colour	White / transparent
Type of absorption	Absorbable At 20 days, 50 % tensile strength complete absorption 60-90 days
Weight	43 g/m ²
Sterilization	Ethylene oxide
Pore size	1.4 mm

Safil® Mesh Bag

Absorbable mesh bag for organ stabilization and haemostasis

Description	Sizes	Units / box	Cat. No.	Shape
Bag – Spleen	26 x 30 cm	1 piece	1065506	
Bag – Kidney	8 x 15 cm	1 piece	1065507	

Biosurgicals

Tissue adhesives

Haemostats

Bone regenerator

Tissue adhesives

Histoacryl®

Tissue adhesives

Colour and article coding for easy box content identification



Histoacryl®

Tissue adhesives

Description

In addition to traditional skin suturing, surgeons can use a tissue adhesive.

The tissue adhesive Histoacryl® consists of monomeric n-butyl-2-cyanoacrylate, which polymerises quickly in connection with tissue fluid. Histoacryl® is available in two colours: translucent, special for facial application, and blue, which enables an easy control over the quantity applied.

The formation of esophageal and fundal varices is a common and dangerous consequence of portal hypertension. Effective sclerosation of these varices is possible with Histoacryl®. It can be employed for non-bleeding and for bleeding varices. Combined therapy with Histoacryl® and conventional sclerosation therapy is possible.

Indications

- Closure of minor skin wounds without suturing
- Closure of skin in endoscopic incisions
- Sclerosation of esophageal and fundal varices
- Fixation of hernia meshes, especially in inguinal hernia surgery

Advantages wound closure

- Wound closure in one minute
- Anti-bacterial barrier protects the wound
- Storage at room temperature
- Excellent cosmetic results
- Easy-to-use procedure



Sclerosation therapy

- For bleeding and non-bleeding varices
- Easy-to-use procedure

Mesh fixation

- Low recurrence rate
- Stand-alone fixation method in different hernia repair techniques, such as: Lichtenstein, TAPP, TEP and small incisional hernias
- Non-invasive method reported to be better tolerated by the patient
- Low intra- and postoperative morbidity
- Potentially less harmful than traditional invasive methods

Colour	Content / box	Cat. No.
Blue	5 ampoules of 0.5mL	1050052
Blue	10 ampoules of 0.5mL	1050044
Translucent	5 ampoules of 0.5mL	1050060
Translucent	10 ampoules of 0.5mL	1050071

Haemostats

Sangustop®

Lyostypt®

Gelita

Bone Wax / Bone Wax Stick

Haemostats

Colour and article coding for easy box content identification



Sangustop®

Local haemostatic agent for all types of bleeding

Description

Sangustop® is a highly efficient felt-like hemostat. It is composed of native absorbable collagen fibrils of bovine origin; in addition, Sangustop® contains riboflavin.

Sangustop® is suitable for all types of bleedings (from oozing to severe haemorrhages) and it can be used in open and laparoscopic surgeries.

Indications

Sangustop® can be applied in:

- Parenchymal organs
- Capillary bleedings
- Bleeding stitches
- Oozing



Advantages

- Ready-to-use approach
- Excellent adhesion to bleeding surfaces
- Both sides equally active
- Simple handling (also in laparoscopy)
- Absorbed within 3 - 4 weeks
- Can be used as a carrier material for antibiotics or coagulation agents

Size	Content / box	Cat. No.
5 x 8 cm	1 piece	1069400
5 x 8 cm	2 pieces	1069550
5 x 8 cm	4 pieces	1069500
3 x 5 cm	4 pieces	1069600

Lyostypt®

Local haemostatic agent for minor bleeding

Description

Lyostypt® is a native, absorbable collagen fleece. The fleece structure being rich in surface offers an ideal framework for the adherence of platelets and thus provides an additional impetus to clotting.

Indications

Lyostypt® collagen haemostatic fleece is applicable in all fields of surgery for:

- Capillary bleedings
- Oozing wound haemorrhages
- For the local haemostasis in haemodialysis

Advantages

- Absorbable within 3 - 4 weeks
- Less blood loss and time saving due to fast and efficient haemostasis



- Less material necessary due to the high absorption
- Good affinity to bleeding surfaces
- Can be used as a carrier material for antibiotics or coagulation agents

Size	Content / box	Cat. No.
3 x 5 cm	12 pieces	1069128
5 x 8 cm	6 pieces	1069152
10 x 12 cm	4 pieces	1069209
5 x 30 cm	4 pieces	1069306

Gelita

Local haemostatic agent when support or fill in dead spaces is needed

Description

Gelita is made of pure gelatin and is completely absorbed. The haemostatic effect results from the adherence of the blood platelets to the surface of the sponge and the tamponade effect its swelling creates. Within a short period of time natural blood clotting takes place.

Indications

To fill in dead spaces and control bleeding in:

- Dentistry and maxillar surgery
- Thoracic surgery
- ENT surgery

Tamponade for venous-capillary or parenchymatous bleeding when a suture or ligature is not possible in:

- Orthopaedic surgery
- Gynaecology
- Vascular surgery
- General surgery
- Urology
- Neurosurgery



Advantages

- Excellent absorption
- Tissue biocompatibility
- Drug compatibility

Size	Content / box	Cat. No.
1 x 1 x 1 cm	10 pieces	2070014
1 x 1 x 1 cm	50 pieces	2070103
1 x 1.5 x 1.5 cm	50 pieces	2070154
8 x 2 x 1 cm	10 pieces	2070707
8 x 5 x 1 cm	10 pieces	2070600

Bone Wax / Bone Wax Stick

For mechanical haemostasis in bone bleeding

Description

Bone Wax is a sterile mixture of bees wax (70 %) and vaseline (30 %) to stop bleeding in bones.

Plate format: Can be moulded and applied in a "hand-warm" condition.

Stick format: Can be spread onto the bleeding area.

Indications

Bone Wax is used for the mechanical haemostasis in bones in:

- Thoracic surgery
- Neurosurgery
- Orthopaedics and traumatology
- Dental, oral and jaw surgery

Advantages

Plate format:

- Soft, easy to shape and apply only "hand-warm"
- Practical, transparent double peel-packs

Stick format:

- Easiest handling
- Practical lipstick format



Format	Content / box	Cat. No.
Plate	24 pieces	1029754
Stick	12 sticks	1029755

Bone regenerator

Osteovit®

Bone regenerator

Colour and article coding for easy box content identification



Osteovit®

Collagen matrix for filling bone defects

Description

Osteovit® consists of a porous collagen scaffolding of bovine origin (spongiosa) and is completely absorbable.

Indications

For filling bone defects e. g. after the removal of tumours and cystectomy and filling cages:

- In orthopaedics
- In maxillo-facial surgery
- In plastic surgery
- In dental surgery
- In neurosurgery (spine)

Advantages

- Absorbable
- Good tissue compatibility
- The porous collagen structure encourages spongiosa ingrowth
- Adjustability of the shape of the Osteovit® cubes to the bone cavity in wet and dry condition
- Augmentation of autologous spongiosa



Size	Content / box	Cat. No.
2 x 1 x 1 cm	10 pieces	1028030
1.5 x 1.5 x 0.5 cm	10 pieces	1028022
1 x 1 x 1 cm	10 pieces	1028014

Special products

Endoluminal vacuum therapy

Simple management of needles and blades

Endoluminal vacuum therapy

Endo-SPONGE®

Endo-SPONGE®

Endoluminal vacuum therapy

Description

The Endo-SPONGE® is a minimally invasive method for the treatment of anastomotic leak in the low rectal area. The cavity is drained by the endoscopically introduced Endo-SPONGE® system with Redyrob® TRANS PLUS. The open pores of the sponge allow the suction to be transferred over all tissue in contact with the sponge surface.

Indications

- Anastomotic leak following colo-rectal surgery with anastomosis in the area of the lower pelvic area (extraperitoneal position)
- Hartmann's stump leak in the area of the lower pelvic area (extraperitoneal position)

Treatment criteria

- Localized lower abdominal peritonitis
- Endoscopically accessible leakage
- Sufficient drainage
- Rapid clinical improvement of patient's condition



Advantages

- Continuous drainage, no build up of secretion
- Debridement, rapid cleaning of the wound cavity
- Promotes granulation
- Mechanically reduces the size of the wound cavity
- Controls infection

Advantages for the patient

- High level of acceptance
- High compliance
- No unpleasant odours
- Outpatient treatment possible in some cases

Product description	Content / box	Cat. No.
Endo-SPONGE®	5 sets	5526520
Endo-SPONGE®	10 sets	5526510
Redyrob® TRANS PLUS	10 units	5526604

Simple management of needles and blades

OP-Magnet

OP-Magnet

Simple management of needles and blades

Description

The OP-Magnet is a sterile packed device for the management of needles and small metal pieces such as scalpel blades.

OP-Magnet allows for a clear arrangement before the operation, safe keeping of small metal pieces during the operation and an easy and secure disposal after the operation.

Features

- Sterile individual packaging
- Nonslippery pad
- Elevated magnetic fields
- Practical size
- Clear arrangement of needles and blades possible
- OP-Magnet can be folded together



Your benefits

- Immediate use at any time
- OP-Magnet does not slide
- Easy and convenient removal of the needles, etc.
- Space-saving and clear arrangement
- Facilitates control and counting after surgery
- Allows for secure disposal

Content / box	Cat. No.
12 pieces	1091506



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