

# Surgical sutures, Meshes and Biosurgicals

## General Catalogue



Closure Technologies



# B. Braun "Sharing Expertise"

B. Braun is a family-owned company with a sense of responsibility towards its employees and the regions in which it operates. With 175 years of history, B. Braun is still growing from its own resources and it reinvests continuously in the company to keep excellent products in the markets. "Sharing Expertise" is a basis for building up professional partnerships and promoting mutual transfer of knowledge and expertise between co-workers and customers as well as in all interactions in and with our company.



**Knowledge** is the Brand Core in order to keep the Sharing Expertise promise and a way to share this knowledge is through different channels such as communication and education.



**Innovation, Efficiency and Sustainability** are the main pillars of our business philosophy which describe the key attributes upon which the brand core is based.

**Transparency, Trust and Recognition** closely interwoven form a solid foundation for the corporate values to create products and services of the highest quality for the health-care market.



# Closure Technologies Solutions

By 1906, more than a hundred methods for sterilizing catgut existed. The breakthrough came in 1908, when a pioneering company created a technique able to assure the supply of consistently sterile sutures to hospitals and other medical facilities. This company was B. Braun!

Since then, B. Braun is committed to innovation and excellence in product-driven research, development and production. Furthermore, in Closure Technologies (CT) we remain loyal to our roots by working closely together with healthcare professionals, making them part of our principal commitment. In CT we are *Closer to You*.

## Complete Product Range

B. Braun offers a complete range of absorbable sutures, non-absorbable sutures, customized surgical procedures sutures sets (Pro-Set) and special suture sets, as well as a full range of meshes, biosurgicals and other products for wound closure.

## High Quality

B. Braun has achieved its leading position in the field of surgery thanks to its high quality products. All B. Braun manufacturing plants have a certified quality management system for assuring the quality of raw materials, semi-finished and finished products, and guarantees the traceability of each product manufactured.

## Innovative

It is our belief that only innovative products, which increase the customer benefit, can ensure a long term success on the market. Our innovative products, developed by our own R&D department, are also the result of the shared knowledge between competent employees as well as clinical experts and users, true to our motto: *Sharing Expertise*.

## Aesculap Academy

The Aesculap Academy is the most important forum for continuous medical education worldwide. It helps to impart acquired knowledge to physicians, specialist clinical personnel and hospital management. In doing so it works closely with trade associations and medical associations, as well as with clinics and universities.





# Contents

## Sutures general information

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

## Sutures

### ■ **Absorbable sutures**

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

### ■ **Non-absorbable sutures**

**Optilene®**  
**Premilene®**  
**PremiCron®**  
**Dafilon®**  
**Trelon®**  
**Supramid**  
**Dagrofil®**  
**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

## Steelex® 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

#### **Omyra® Mesh TX**

PTFE mesh engineered for thoracic reconstruction

### ■ **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

#### **Histoacryl® Flexible**

Improved closure of surgical incisions

### ■ Mesh fixation

#### **Histoacryl® Pro-Set OFX**

Non-traumatic mesh fixation in open hernia repair

### ■ Hemostats

#### **Sangustop®**

Local haemostatic agent for all types of bleeding

#### **Lyostypt®**

Local haemostatic agent for minor bleeding

#### **Cellistypt®**

Oxidized Resorbable Cellulose

#### **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

### ■ Endoluminal vacuum therapy

#### **Endo-SPONGE®**

### ■ Simple management of needles and blades

#### **OP-Magnet**

# Sutures general information

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Packaging information

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Needle information

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# Packaging information

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RacePack®

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DDP-Direct Dispense Packaging

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Easy suture colour coding

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Easy mesh colour coding

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B. Braun bar code systems

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B. Braun useful accessories

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B. Braun guarantee of consistent high quality

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# 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®

RacePack®-single step packaging system

- Faster suture transfer, time savings for OR staff

RacePack®-less memory effect

- 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



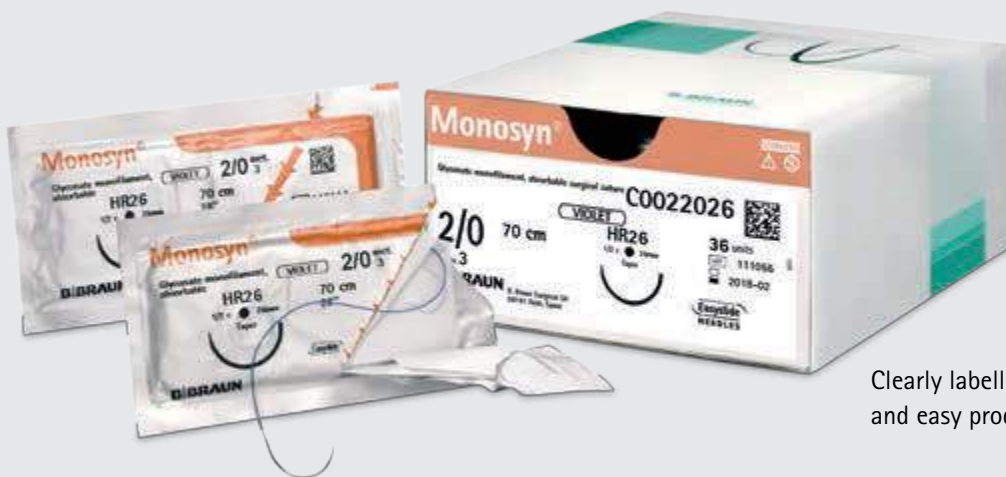
Grasp needle directly from the packaging with the needle holder

- Flexible rear flap allows an easier grasping of the needle



Pull out the suture to the right

# DDP-Direct Dispense Packaging



Clearly labelled product information and easy product identification

## Handling steps:



Open non-sterile outer package



Transfer to sterile field





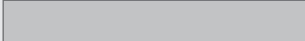



Tear-off opening system, indicated by coloured arrows













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

# Easy suture colour coding

## Absorbable sutures



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

## Non-absorbable sutures

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

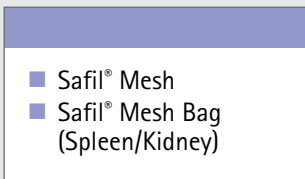
## Article coding for easy box content identification

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

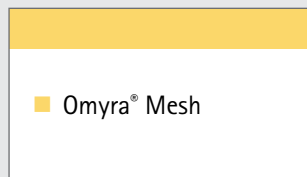
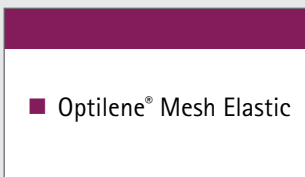
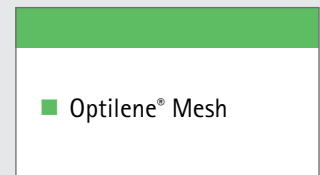
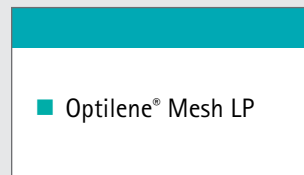
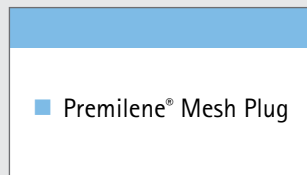
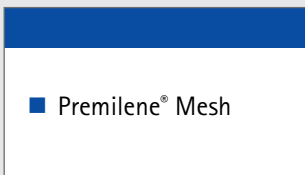
	
<b>M</b>	Box of 6 units
<b>G</b>	Box of 12 units
<b>B</b>	Box of 24 units
<b>C</b>	Box of 36 units

# 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 labelled CE Mark.

Symbols for use in the labeling of medical devices according to ISO 15223.

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

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B. Braun high performance surgical needles

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B. Braun top needle range

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CV pass needle generation

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B. Braun needle types

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B. Braun needle nomenclature

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B. Braun needles

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# B. Braun high performance surgical needles

## Quality and high performance

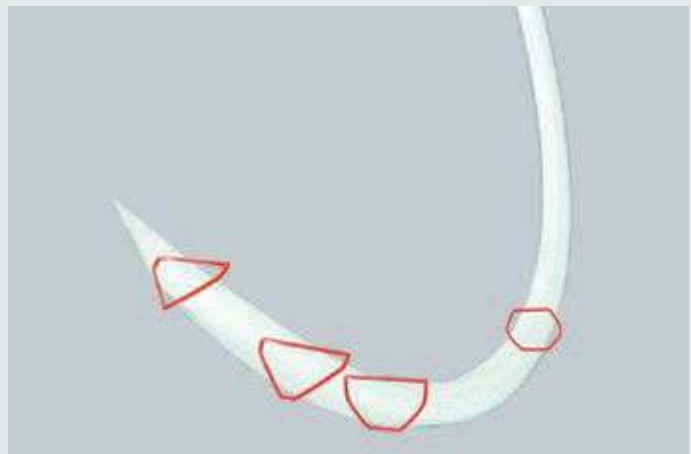
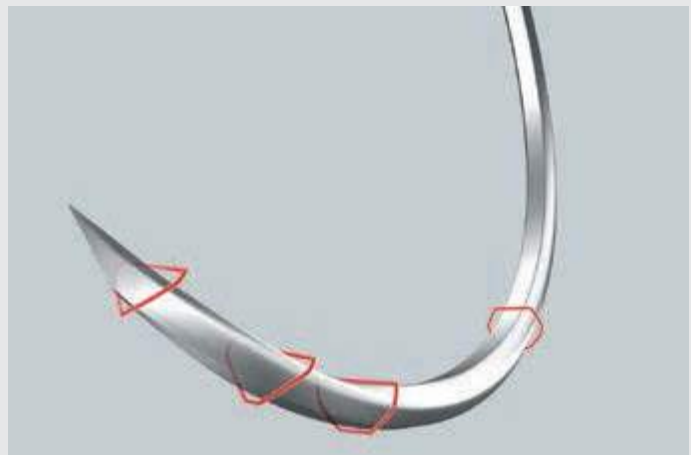
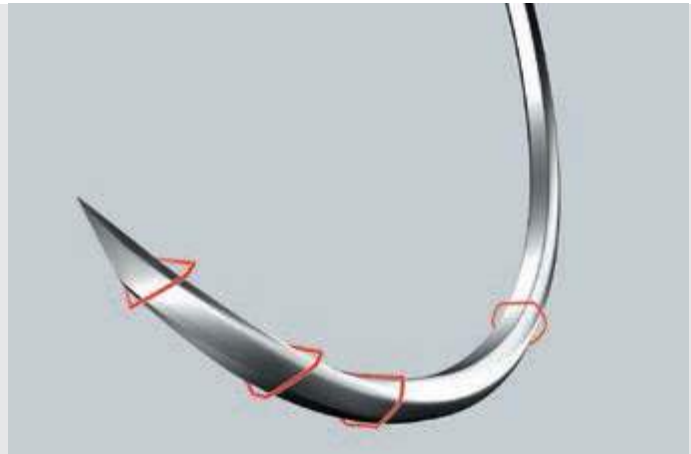
- B. Braun needles have gained recognition over the years for their quality and high performance.

## 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 requirements of all surgical disciplines.

## More than 300 different types of needles

- B. Braun has over 300 different types of needles to meet the requirements of surgical procedures 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



# 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 series)



## Specific needle body design

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

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





## B. Braun needle types

### Taper needle ●

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.



### Taper needle with short cutting point ◉

The round bodied needle with a short cutting point improves penetration through calcified vessels and tough tissue. The body of the needle is flattened to prevent the needle from rotating in the needle holder. CV pass needle with square needle body instead of flattened needle body for increased bending strength. This needle is specially designed for cardiovascular indication.



### Taper needle with trocar point ⊕

Needle with strong cutting point of four edges that blend into a round tapered body. The body of the needle is flattened to prevent the needle from rotating in the needle holder. This needle allows good penetration in tough tissues in order to avoid tissue trauma.



### Taper needle with sternum point ▲

Needle with tapered body which gradually changes to a three cutting edge point. The body of the needle is flattened to prevent the needle from rotating in the needle holder. This needle is specially designed for sternum closure.





### Taper needle with blunt point

Needle with a tapered body and a rounded blunt point that does not cut through the tissue. The body of the needle is flattened to prevent the needle from rotating in the needle holder. This needle is recommended for parenchymal tissue to avoid tissue damage in surrounding structures.



### Taper needle with protection point

Needle specially designed to minimize needle stitch injury. The needle allows penetration of the fascia but reducing the risk of accidental needle stitch injuries. Needle with triangular cross section with rounded non cutting edges to increase pending performance which gradually changes to tapered needle end with the protection point.



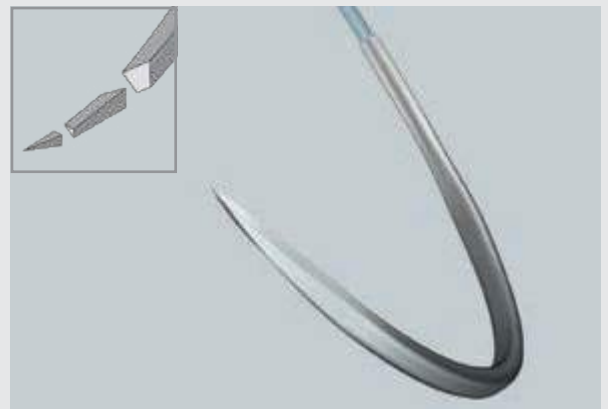
### Reverse cutting

Needle with a triangular cross section and an apex cutting edge on the outside of the needle curvature. Designed to penetrate through tissue.



### Reverse cutting with precision point

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 needle-holder. The ideal needle for plastic surgery where the cosmetic result is important.



## B. Braun needle types

Lancet needle



Micro-point

Special needle tip designed to pass through ophthalmic structures without damaging the upper and lower layer of stroma.



# B. Braun needle nomenclature

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

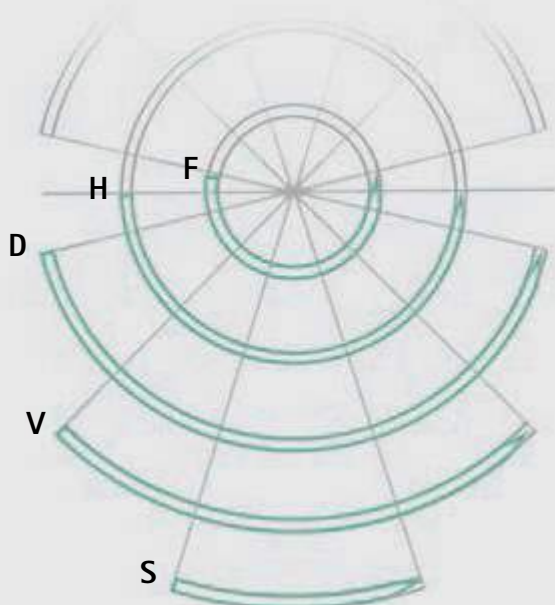
A	B	C	12	D
Needle curvature	Body type	Point type	Needle length	Remark
S 1/8 circle	R round body	T trocar point	This refers to the distance between the needle point and the needle end, measured along the length of the needle in mm	ff extra thin bodied needle
V 1/4 circle	S cutting needle	N blunt point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

Example:

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

## Needle angle of curvature

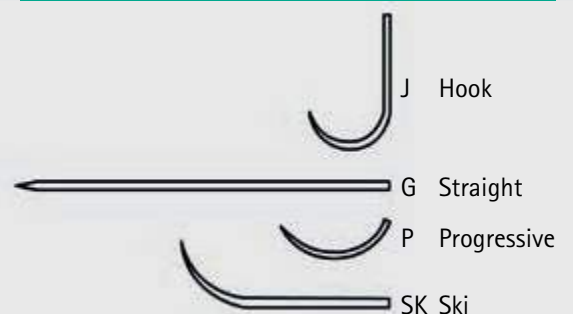


- S 1/8 circle
- V 1/4 circle
- D 3/8 circle
- H 1/2 circle
- F 5/8 circle

## "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	
<b>DRmV 6b</b>	135°	6,4	140μ		<b>DRmV 10b</b>	135°	9,3	200μ	
<b>DRmV 8b</b>	135°	7,9	140μ		<b>DRmV 13b</b>				




### Progressive curved

	angle	length mm	diameter microns			angle	length mm	diameter microns	
<b>PRmV 8b</b>	85° / 101°	7,9	200μ		<b>PRmV 10b</b>	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	
<b>HRm 4</b>	180°	4,0	70μ		<b>HRm 8</b>	180°	7,8	140μ	
<b>HRm 6</b>	180°	6,5	200μ						

### 3/8 circle














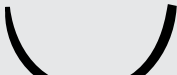


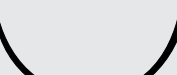





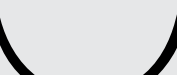


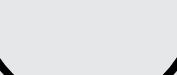

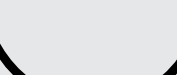
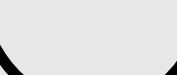
	angle	length mm	diameter microns			angle	length mm	diameter microns	
<b>DRm 3</b>	135°	3,8	50μ		<b>DRm 6</b>	135°	6,4	140μ	
<b>DRm 4</b>	135°	4,0	70μ		<b>DRm 8</b>	135°	7,9	140μ	
<b>DRm 4s</b>	135°	4,0	140μ		<b>DRm 10b</b>	135°	9,3	200μ	
<b>DRm 5</b>	135°	5,0	100μ						

### Progressive curved

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

**Taper needle ●**  
Round bodied needle

1/2 circle

HR 6		HR 22ss	
HR 8			
HR 10f		HR 26	
HR 10			
HR 13ff		HR 26b	
HR 13f			
HR 13		HR 26s	
HR 13b			
HR 13ss		HR 26ss	
HR 17f			
HR 17		HR 30	
HR 17b			
HR 17s		HR 30s	
HR 20			
HR 20b		HR 30ss	
HR 22			
HR 22b		HR 37	
HR 22s			
		HR 37s	
		HR 37ss	

# B. Braun needles

Taper needle ●  
Round bodied needle

1/2 circle

HR 40



HR 40s



HR 40ss



HR 43



HR 43s



HR 48



HR 60



HR 65



HR 70



HR 76



**Taper needle ●**  
Round bodied needle

3/8 circle

DR 6



DR 13s



DR 6b



DR 15



DR 6s



DR 18



DR 8f



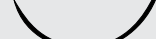
DR 18b



DR 8fb



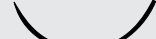
DR 22



DR 8



DR 22b



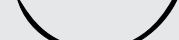
DR 8b



DR 10f



DR 26



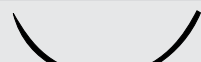
DR 10fb



DR 10



DR 32



DR 10b



DR 39



DR 10s



DR 12



DR 48



DR 13



DR 13b

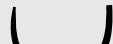


5/8 circle

FR 13



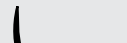
FR 26s



FR 17



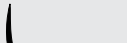
FR 31



FR 22



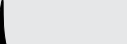
FR 36



FR 26



FR 40



FR 26b



# B. Braun needles

Taper needle ●  
Round bodied needle

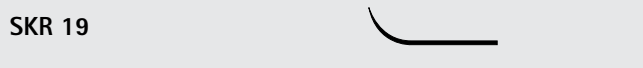
5/8 circle



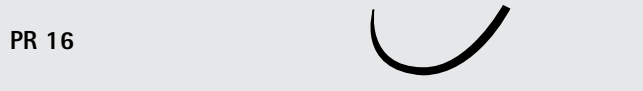
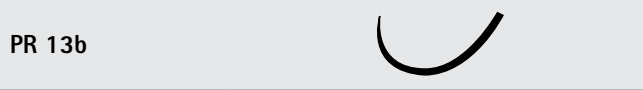
Hook



Ski



Progressive curved





**Taper needle ●**  
Round bodied needle

Straight

GR 19		GR 65	
GR 19b		GR 70	
GR 35		GR 75	
GR 51			

**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 13b



HRC 17f



HRC 17



HRC 17b



HRC 20



HRC 20s



HRC 22



HRC 22b



HRC 26



HRC 26b



HRC 26s



HRC 30



HRC 30s



HRC 37



HRC 37s



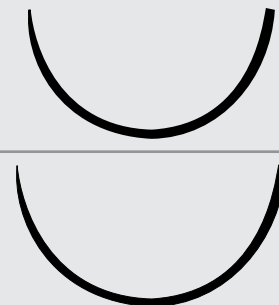
HRC 40



HRC 40s




HRC 43

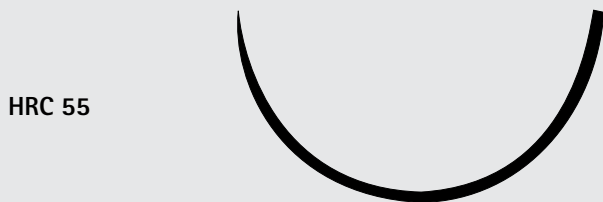
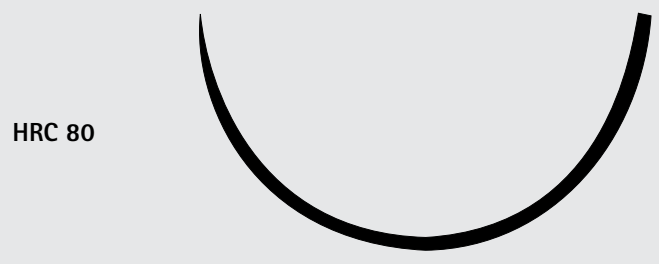


HRC 43s












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

1/2 circle



3/8 circle

DRC 6	
DRC 8	
DRC 8b	
DRC 10	
DRC 10b	
DRC 10s	
DRC 12	
DRC 13	
DRC 13b	

DRC 13s	
DRC 15	
DRC 18	
DRC 18b	
DRC 22	
DRC 26	

# 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 13



PRC 13b



PRC 24



**Trocar needle** ⊕  
 Round bodied needle with trocar point

1/2 circle

HRT 13



HRT 17



HRT 20s



HRT 22



HRT 26



HRT 26s



HRT 30



HRT 30s



HRT 37



HRT 37s



HRT 40



HRT 40s



HRT 43



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

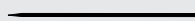


FRT 65



Straight

GRT 25



GRT 40



**Trocar needle with micro point ⊕**

Round bodied needle with trocar and micro point

3/8 circle

DRTM 8



**Taper needle with sternum point ▲**

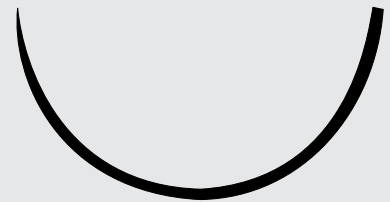
Round bodied needle with sternum point

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 35



HRN 40



HRN 45



HRN 48



HRN 50



HRN 50s



HRN 60



HRN 65



HRN 75



HRN 85



3/8 circle

DRN 16



DRN 25

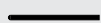


DRN 64



Straight

GRN 12





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

1/2 circle

HRB 26



HRB 48



HRB 37s



HRB 65



HRB 40s



# B. Braun needles

## Reverse cutting needle ▼

1/2 circle

HS 9



HS 15



HS 17ss



HS 18



HS 21



HS 23



HS 23ss



HS 26



HS 26s



HS 26ss



HS 30



HS 37



HS 37s



HS 37ss



HS 40



HS40s



HS 40ss



HS 48f



HS 48



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 30



DS 35



DS 39



DS 45



DS 48



DS 60



DS 76



DS 90



DS 100



5/8 circle








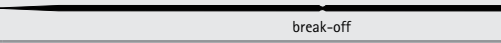



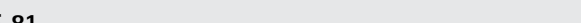

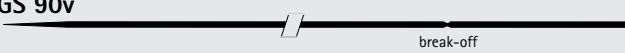
FS 25



# B. Braun needles

## Reverse cutting needle ▼

### Straight

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

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 13f



DSMP 30



DSMP 13



DSMP 35



DSMP 15



DSMP 16



DSMP 39



DSMP 16s



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

Lancet needle with micro point ▾

1/2 circle

**HLM 6**



**HLM 8**



1/4 circle

**VLM 6**



**VLM 10**



**VLM 8**



3/8 circle

**DLM 11**







# Sutures

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Absorbable sutures

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Non-absorbable sutures

---

Mechanical sutures

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Sets

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# Absorbable sutures

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Safil® Quick

---

Safil®

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Novosyn®

---

Monosyn® Quick

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Monosyn®

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MonoPlus®

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Monomax®

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# Absorbable sutures

Colour and article coding for easy box content identification





# Safil® Quick+

## Absorbable sutures

### Description

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

### Indication

- 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

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

## Safil® Quick+

### Product overview

Structure Braided



Undyed

Chemical composition Polyglycolic acid

Coating Glyconate

Origin Synthetic

Sizes USP 7/0 (metric 0.5) to USP 2























Type of degradation By hydrolysis

Mass absorption 42 days

Sterilisation Ethylene oxide

# Safil® Quick+

## Needle-thread combination

angle	Needle		Thread	USP (metric)								
	length mm	diameter microns		length cm	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 lancet micro needle												
137°	<b>DLM 6s</b> 	200µ	30 undyed	G1046621								
137°	<b>2xDLM 6s</b> 	200µ	45 undyed	G1046711								
1/4 circle lancet needle with micro-point												
	<b>VLM 10</b> 		45 undyed		G1046734							
1/2 circle round bodied needle												
	<b>HR 13</b> 		70 undyed		C1046001	C1046002						
	<b>HR 13 + GS 51</b> 		70 undyed				C1046755					
	<b>HR 17</b> 		70 undyed		C1046011	C1046012	C1046013	C1046014				
	<b>HR 22</b> 		45 70 90 undyed			C1046028	C1046029	C1046030 C10460300	C1046024	C1046031	C10460301	
	<b>HR 22s</b> 		70 undyed							C1046131		
	<b>HR 26</b> 		45 70 undyed			C1046039	C1046040	C1046051 C1046041	C1046051	C1046042	C1046043	
	<b>HR 26s</b> 		70 undyed							C1046090	C1046091	C1046092
	<b>HR 30</b> 		70 90 undyed					C1046046	C1046047 C1046732	C1046048 C1046733		C1046049
	<b>HR 30s</b> 		70 undyed									C1046053







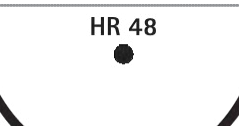

C Box of 36 units

B Box of 24 units

G Box of 12 units


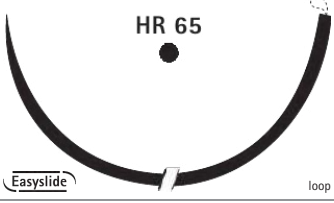



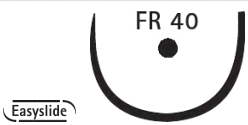



M Box of 6 units



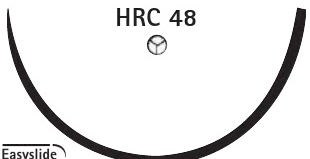








Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle									
 HR 37 Easyslide	70 undyed					C1046060	C1046005	C1046006	C1046007
 HR 37s Easyslide	45 70 90 140 undyed					C1046594	C1046590 C1046008 C1046595 C1046591	C1046596	C1046597
Needle length mm	Thread 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)
 HR 40s Easyslide	70 90 undyed				C1046554	C1046467	C1046556	C1046557	C1046559 C1046558
 HR 40s Easyslide take off	3 x 45 undyed					B1046100			
 HR 43 Easyslide	90 undyed					C1046170			
 HR 43s Easyslide	90 undyed						C1046506	C1046507	
 HR 48 Easyslide	90 140 undyed					C1046180	C1046661 C1046054	C1046663	C1046665
 HR 48 Easyslide take off	4 x 45 undyed						B1046761		

# Safil® Quick+

## Needle-thread combination

















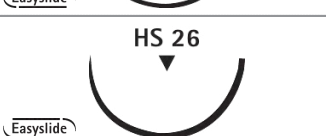

Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
<b>1/2 circle round bodied needle</b>										
 HR 65 Easyslide	90 undyed							B1046095		
 HR 65 Easyslide loop	150 undyed								B1046086	
 HR 76 Easyslide	90 150 undyed						B1046073		B1046175	
<b>5/8 circle round bodied needle</b>										
 FR 26 Easyslide	70 90 undyed							C1046063 C1046083		
 FR 36 Easyslide	70 90 undyed					C1046488		C1046078	C1046079	
 FR 40 Easyslide	90 undyed						C1046018	C1046019	C1046020	
<b>Straight round bodied needle</b>										
 GR 19 Easyslide	70 undyed			C1046770						
 2xGR 51 Easyslide	45 undyed					C1046810				
<b>1/2 circle round bodied needle with short cutting point</b>										
 HRC 26 Easyslide	90 undyed					C1046033				

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)
1/2 circle round bodied needle with short cutting point									
 HRC 48 Easyslide	90 undyed								B1046075
1/2 circle round bodied needle with trocar point									
 HRT 30 Easyslide	90 undyed						C1046353		
 HRT 37 Easyslide	90 undyed				C1046360	C1046651	C1046652	C1046653	
 HRT 40 Easyslide	90 undyed						C1046003	C1046004	
 HRT 43 Easyslide	90 undyed				C1046660	C1046664	C1046662	C1046365	
 HRT 43s Easyslide	90 undyed						C1046670		
 HRT 48 Easyslide	90 undyed						C1046374	C1046375	
3/8 circle round bodied needle with trocar point									
 DRT 12 Easyslide	70 undyed		C1046311						
 DRT 18 Easyslide	45 70 undyed			C1046325 C1046320	C1046326 C1046321				

# Safil® Quick+

## Needle-thread combination




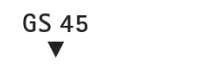

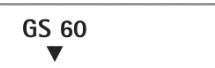







Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
5/8 circle round bodied needle with trocar point										
 FRT 17 	70 undyed			C1046016						
1/2 circle round bodied needle with blunt point										
 HRN 50 	90 undyed					C1046601	C1046602			
 HRN 75 	90 undyed					B1046604	B1046605			
3/8 circle round bodied needle with blunt point										
 DRN 64 	90 undyed								B1046668	
1/2 circle round bodied needle with protection point										
 HRB 40s 	90 undyed					C1046102		C1046576		
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			

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)
<b>1/2 circle reverse cutting needle</b>									
 HS 37s 	70								
	90 undyed					C1046240	G1046441 C1046241	G1046442 C1046242	
 HS 40s 	90 undyed							C1046586 C1046587	
 HS 48 	90 undyed							C1046525	
<b>3/8 circle reverse cutting needle</b>									
 DS 12 	45 70 undyed	C1046206 C1046201	C1046202	C1046207 C1046203					
 DS 16 	45 70 undyed		C1046412 C1046212	C1046413 C1046213	C1046214				
 DS 19f 	45 undyed			C1046838					
 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		
 DS 30 	70 90 undyed				C1046246	C1046247	G1046245 C1046248	C1046249	
 DS 35 	90 undyed					C1046257			
 DS 39 	90 undyed				C1046454	C1046455			

# Safil® 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)	
<b>5/8 circle reverse cutting needle</b>										
 Easyslide FS 25	70 undyed			C1046261	C1046262					
<b>Straight reverse cutting needle</b>										
 Easyslide GS 13	45 undyed			C1046208						
 Easyslide GS 25	70 undyed				C1046293					
 Easyslide GS 45	70 undyed				C1046515					
 Easyslide GS 51	70 90 undyed			C1046271	C1046272	C1046273	C1046274		C1046779	
 Easyslide GS 60	70 undyed				C1046409	C1046410				
 Easyslide GS 65	90 undyed								B1046118	
<b>1/2 circle reverse cutting needle with precision point</b>										
 Easyslide HSMP 23	45 undyed				C1046400					
<b>3/8 circle reverse cutting needle with precision point</b>										
 Easyslide DSMP 7	45 undyed	G1046612								
 Easyslide DSMP 11	45 70 undyed	C1046607 C1046603	C1046610							
 Easyslide DSMP 13	45 undyed	C1046618	C1046619	C1046620						
 Easyslide DSMP 16	45 70 undyed	C1046609	C1046611	C1046625 C1046685	C1046686					
 Easyslide DSMP 19	45 70 undyed		C1046528	C1046529	C1046630 C1046530	C1046631 C1046531				

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									
 <b>DSMP 24</b> 	45				C1046154	C1046155			
	70 undyed				C1046657	C1046658			
 <b>DSMP 35</b> 	70 undyed				C1046148				

# Safil® Quick+

## Needle-thread combination

	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)
<b>Pre-cut sutures</b>									
3 threads of 45 cm	3 x 45 undyed			C1037625	C1037626	C1037627	C1037628		
6 threads of 45 cm	6 x 45 undyed	C1037003	C1037004	C1037005	C1037006	B1037007	B1037008		
10 threads of 45 cm	10 x 45 undyed						B1037688		
2 threads of 70 cm	2 x 70 undyed		C1037024	C1037025	C1037026	C1037027	C1037028	C1037029	
5 threads of 70 cm	5 x 70 undyed		C1037444	C1037445	C1037446	C1037447	B1037448	B1037449	
1 thread of 150 cm	1 x 150 undyed		C1037705	C1037691	C1037706	C1037692	C1037694	C1037693	
<b>Ligature reels</b>									
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®

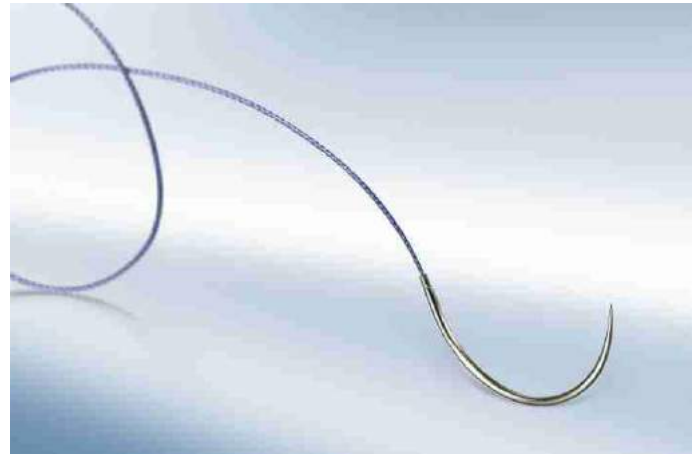
## Absorbable sutures

### Description

Safil® is a mid-term braided and coated synthetic absorbable suture made pure polyglycolic acid. Safil® degrades by hydrolysis and provides predictable and reliable absorption.

### Indication

- 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 USP 8/0 - 2 or monofilament USP 10/0 - 9/0
	
Colour	Violet or undyed
Chemical composition	Polyglycolic acid
Coating	Glyconate
Origin	Synthetic
Sizes	USP 10/0 (metric 0.2) to USP 5 (metric 7)
Type of degradation	By hydrolysis
Mass absorption	60 up to 90 days
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 round bodied needle micro needle											
135°	<b>DRm 5</b> 	100µ	15 violet	G1048140	G1048141						
135°	<b>DRm 6</b> 	140µ	15 20 35 violet		G1048144	G1048145 G1048146					
1/2 circle lancet micro needle											
160°	<b>HLm 6</b> 	150µ	30 violet		G1048083						
160°	<b>2xHLm 6</b> 	150µ	30 violet	G1048716		G1048715					
175°	<b>2xHLm 6s</b> 	200µ	30 45 violet				G1048768 G1048950				
175°	<b>2xHLm 8</b> 	200µ	45 violet				G1048741				
3/8 circle lancet micro needle											
140°	<b>2xDLm 5</b> 	150µ	30 violet			G1048699					
140°	<b>DLm 6</b> 	150µ	8 10 15 30 violet	G1048610 G1048703	G1048611		G1048615 G1048724				
140°	<b>2xDLm 6</b> 	150µ	30 45 violet	G1048700	G1048705	G1048702 G1048701					
137°	<b>DLm 6s</b> 	200µ	30 violet			G1048620	G1048621				
137°	<b>2xDLm 6s</b> 	200µ	30 45 violet	G1048717	G1048714	G1048710 G1048713	G1048712 G1048711				
1/4 circle lancet micro needle											
97°	<b>VLm 6s</b> 	200µ	45 violet				G1048612				

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)								
angle	length mm	diameter microns	length cm	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)
1/8 circle lancet micro needle											
44°	<b>SLm 6</b> 	150µ	8 violet	G1048600	G1048601						
1/2 circle lancet needle with micro-point											
	<b>2xHLm 6</b> 		45 violet					G1048784			
	<b>2xHLm 8</b> 		45 violet					G1048966	G1048967	G1048968	
			45 undyed					G1049740			
1/4 circle lancet needle with micro-point											
	<b>2xVLM 6</b> 		30 violet				C1048732	G1048616			
			45 violet					G1048737			
	<b>VLM 8</b> 		45 violet					G1048778			
	<b>2xVLM 8</b> 		20 violet					G1048733	G1048748		
			30 violet					G1048992			
			45 violet					G1048734	G1048735	G1048736	
			30 undyed					G1049763			
		45 undyed					G1049734	G1049735			
	<b>VLM 10</b> 		45 violet					G1048509			
	<b>2xVLM 10</b> 		45 violet					G1048738			
1/2 circle round bodied needle											
	<b>HR 6</b> 		30 violet				G1048149				
			45 violet					C1048020			
	<b>HR 10</b> 		70 violet					C1048002	C1048003		
	<b>HR 13</b> 		45 violet					C1048449	C1048450	C1048451	
			70 violet					C1048006	C1048007	C1048008	C1048009
			45 violet						C1049405	C1049407	
			70 undyed						C1049007	C1049008	

## Needle-thread combination

















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)
1/2 circle round bodied needle									
 <b>HR 13</b> 	4 x 45								
	8 x 45 violet							M1078190	C1048719 M1078191
1/2 circle round bodied needle									
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)
 <b>HR 13ss</b> 	70						C1048110	C1048111	
	violet								
 <b>HR 17</b> 	4 x 45								
	70	C1048011	C1048012	C1048013 C1048853	C1048014	B1078712 C1048015	C1048016		
	90 violet								
 <b>HR 17b</b> 	70								
	undyed		C1049012	C1049013	C1049014	C1049015			
 <b>HR 17</b> 	4 x 45			C1078713	C1078714				
	8 x 45			M1078185	M1078187				
	4 x 70 violet			C1078613	C1078614				
	4 x 45 8 x 45 undyed			C1049713 M1049020					
 <b>HR 17b</b> 	8 x 45								
	violet						M1048238		
 <b>2xHR 17</b> 	70					C1048904			
	90 violet		C1048869						
 <b>HR 17s</b> 	70			C1048113	C1048114	C1048115	C1048116	C1048118	
	violet								
 <b>HR 20</b> 	70			C1048765	C1048766				
	violet								

C Box of 36 units












B Box of 24 units

G Box of 12 units






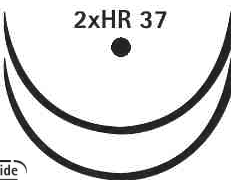


M Box of 6 units

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									
	20				C1048069	C1048004			
	45					C1048005			
	70		C1048028	C1048029	C1048030	C1048031	C1048032		
	90				C1048877				
	120				C1048078	C1048880			
	violet								
	70			C1049029	C1049030				
	undyed								
	4 x 45			C1078729	C1078730	C1078731			
	8 x 45			M1078177	M1078178	M1078180			
	4 x 70			C1078629	C1078630	B1078631			
	8 x 70			M1078248	M1078249	M1078250			
	violet								
	4 x 45				C1049730				
	take off								
	8 x 45			M1048273	M1048308				
	violet								
									
	90				C1048874	C1048875			
	violet								
									
	70				C1048934	C1048036	C1048037	C1048038	
	violet								
									
	20				C1048079	C1048018			
	45					C1048109			
	70		C1048039	C1048040	C1048041	C1048042	C1048043	C1048044	C1048034
	4 x 70					B1078648			
	90			C1048540	C1048541	C1048542	C1048543	C1048544	C1048545
	120				C1048088	C1048067			
	violet								
70				C1049040	C1049041	C1049042	C1049043		
90					C1049541				
	undyed								
	4 x 45			C1078740	C1078741	C1078742			
	8 x 45			M1078170	M1078171	M1078172			
	4 x 70			C1078640	C1078641	C1078642			
	8 x 70			M1078237	M1078239	M1078241			
	8 x 90				M1078372				
	violet								
	4 x 45				C1049741	C1049742			
	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)	
1/2 circle round bodied needle										
 HR 26b Easyblack	8 x 45 8 x 70 violet take off				M1048519 M1048539					
 2xHR 26 Easyslide	70 90 150 violet				C1048901	C1048902 C1048935	C1048907		C1048905	
 HR 26s Easyslide	45 70 90 violet				C1048089 C1048589	C1048019 C1048090	C1048091 C1048591	C1048092 C1048592	C1048093 C1048613	
 HR 26s Easyslide	70 undyed				C1049089	C1049090	C1049091	C1049092		
 HR 26s Easyslide	4 x 45 8 x 45 4 x 70 violet take off					C1078790 M1078164	B1078791 M1078165	B1078792	B1078793	B1078693
 HR 26ss Easyslide	70 90 violet						C1048791	C1048100 C1048580	C1048642	
 HR 26ss Easyslide	4 x 45 8 x 45 violet take off					C1078810 M1078160				
 HR 30 Easyslide	70 90 violet			C1048035	C1048046 C1048446	C1048047 C1048447	C1048048 C1048448	C1048049	C1048045	
 HR 30 Easyslide	70 90 undyed					C1049047	C1049048		C1049449	
 HR 30 Easyslide	4 x 45 8 x 45 4 x 70 8 x 70 violet take off				C1078660	M1078155 B1078661 M1078229	B1078762	B1078662		
 2xHR 30 Easyslide	70 violet						C1048747			

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)
1/2 circle round bodied needle									
 HR 30s <small>Easyslide</small>	70 violet					C1078330	C1048548	C1048549	
 HR 30ss <small>Easyslide</small>	70 90 violet						C1078716	C1048559 C1048646	
 HR 30ss <small>Easyslide</small> take off	4 x 70 violet							B1078803	
 HR 37 <small>Easyslide</small>	45 70 90 violet				C1048050 C1048550	C1048017 C1048051 C1048551	C1048052 C1048552	C1048053 C1048553	C1048054
 HR 37 <small>Easyslide</small> take off	4 x 45 8 x 45 4 x 70 8 x 70 violet				C1078769 M1078145 C1078669 M1078218	C1078770 M1078146 B1078670			
 2xHR 37 <small>Easyslide</small>	90 violet							C1048809	
 HR 37s <small>Easyslide</small>	45 70 90 violet			C1048953	C1048094 C1048955	C1048095 C1048595	C1048021 C1048096 C1048956	C1048097 C1048597	C1048098 C1048598
 <small>Easyslide</small>	70 90 undyed				C1049099 C1049594	C1049095 C1049595	C1049096 C1049596	C1049097 C1049597	C1049098 C1049598

## 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 37s	4 x 45				C1078794	C1078795	B1078796	B1078797	B1078798	
	8 x 45				M1078135	M1078136	M1078137	M1078139		
 HR 37s	4 x 70					B1078695	C1078696	B1078697	B1078698	
	8 x 70					M1078212		M1078214		
 HR 37s take off	violet									
 HR 37s loop	4 x 45				C1049794	C1049795	B1049796	B1049797		
	8 x 45				M1049130	M1049131	M1049132			
 HR 37s undyed	4 x 70							B1049697		
	8 x 70						M1049504	M1049505		
 HR 37s loop	undyed									
 HR 37s + HS 37s	30						C1048693			
 HR 37s + HS 37s	violet									
 HR 37s + DS 24	150					C1048278				
 HR 37s + DS 24	violet									
 HR 37s + DS 24	150					C1048279				
 HR 37s + DS 24	violet									
 HR 37ss	70					C1048121	C1048122	C1048123	C1048324	
	90						C1048576	C1048577	C1048655	
 HR 37ss	70						C1049122	C1049123		
	undyed									
 HR 37ss take off	4 x 45						B1078806	B1078807		
 HR 37ss take off	4 x 70						B1078706			
	violet									
 HR 40	70					C1048381		C1048457		
	90							C1048569		
 HR 40	100						B1048662	B1048668	B1048676	
	violet									

















C Box of 36 units

B Box of 24 units

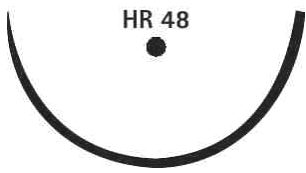

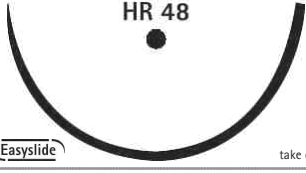









G Box of 12 units

M Box of 6 units


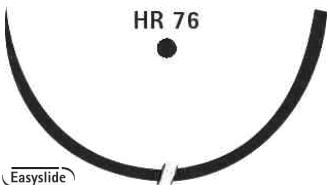
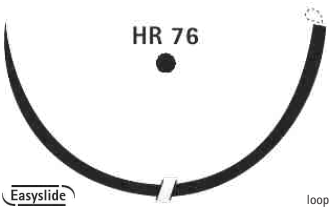








Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 40s 	70				C1048059	C1048055	C1048056	C1048057	C1048058
	90 120 violet				C1048466	C1048467	C1048556 C1048367	C1048557 C1048555	C1048558
 HR 40s 	70				C1049466	C1049055	C1049058	C1049557	C1049558
	90 undyed					C1049467	C1049559	C1049557	C1049558
 HR 40s 	4 x 45					C1078765	B1078766	B1078767	B1078768
	8 x 45 4 x 70 4 x 90 violet					M1078115	M1078116 B1078680	M1078117 B1078667	M1078118 B1078668
 HR 40s 	150						C1048355	B1048350	
	violet								
 2xHR 40s 	140				B1048912				
	violet								
 HR 43 	70						C1048946	C1048947	C1048948
	90 violet						C1048846	C1048847	C1048848
 HR 43 	4 x 45							B1078781	B1078782
	violet								
 HR 43s 	70							C1048169	C1048070
	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 48	70				C1048099	C1048060	C1048061	C1048062	C1048063	
	4 x 70 90 100 120 violet						C1048560	C1048561 B1048972	B1078682 C1048562 B1048973	C1048563 B1048974 B1048779
 HR 48	90 undyed						C1049561	C1049562	C1049563	
 HR 48	4 x 45 8 x 45 4 x 70 8 x 70 violet					B1078785	B1078786 M1078102	B1078787 M1078103	B1078788 B1078688 M1078204	
	 HR 48									
 HR 60	70 violet					C1048064	C1048065	C1048066	C1048068	
 HR 60										
 HR 60	150 violet							B1048380		
 HR 60										
 HR 65	70 4 x 70 5 x 70 90 150 violet					B1048071		B1048072 B1078655 B1048639	B1078656 B1078684 B1048640 B1048940	
	 HR 65	2 x 70 undyed							G1049075	
 HR 65	150 240 violet							B1048919 B1048929	B1048930	
 HR 65										

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)	
1/2 circle round bodied needle										
 HR 70 Easyslide	70 violet								B1048183	
 HR 76 Easyslide	70 90 violet				B1048073	B1048074	B1048075	B1048076 B1048579	B1048077	
 HR 76 Easyslide loop	150 violet							B1048927	B1048928	
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 6s Easyslide	20 violet	G1048958								
 DR 8 Easyslide	30 violet	C1048133								
 DR 10 Easyslide	45 violet		C1048101	C1048102	C1048103					
 DR 12 Easyslide	45 60 70 violet				C1048134	C1048105				
 2xDR 12 Easyslide	45 undyed			C1049725	C1049726					
 DR 15 Easyslide	70 violet					C1048107				

## Needle-thread combination





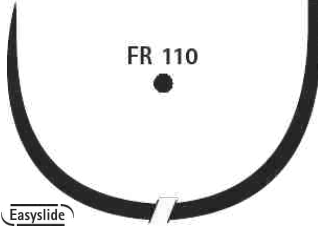











Needle length mm	Thread length cm colour	USP (metric)							
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
<b>3/8 circle round bodied needle</b>									
 DR 18 	70 violet				C1048155	C1048150	C1048151	C1048152	
	70 undyed							C1049151	
 DR 22 	70 violet					C1048159	C1048160	C1048161	
 DR 26 	70 violet						C1048164	C1048165	C1048666
 DR 32 	70 violet						C1048170	C1048171	C1048172
Needle length mm	Thread length cm colour	6/0 (0.7)	5/0 (1)	4/0 (1.5)	USP (metric)		0 (3.5)	1 (4)	2 (5)
 DR 32 	70							C1048173	C1048168
	90 violet				C1048565	C1048566			
<b>5/8 circle round bodied needle</b>									
 FR 17 	90 violet				C1048982				
 FR 26 	70				C1048414	C1048415	C1048416	C1048417	
	90 violet					C1048775			
 FR 26 	70 undyed					C1049415			
 2xFR 26 	70 90 violet			C1048813		C1048815 C1048820	C1048817 C1048828		
 2xFR 31 	70 violet				C1048888				
 FR 36 	70 violet				C1048424	C1048425	C1048426	C1048427	

C Box of 36 units






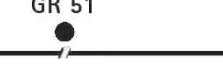






B Box of 24 units

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)
5/8 circle round bodied needle									
 2xFR 36 	90 violet							C1048861	
 FR 40 	70 90 violet						C1048489	C1048490 C1048866	C1048491 C1048867
 FR 110 	75 violet								G1048678
Hook round bodied needle									
 JR 30 	70 violet						C1048475		
 JR 30s 	70 violet								C1048481
 JR 36ss 	70 violet							C1048408	
 JR 40s 	70 violet								C1048478
Ski Needle round bodied needle									
 SKR 19 	20 120 violet			C1048752 C1048755	C1048756	C1048754 C1048757			




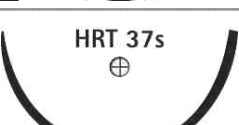




## Needle-thread combination

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)	
<b>Ski Needle round bodied needle</b>										
 <b>SKR 26</b>	20					C1048746	C1048749			
	120 violet					C1048744	C1048751	C1048781		
 <b>SKR 26</b>	40 violet					C1048745				
<b>Straight round bodied needle</b>										
 <b>GR 19</b>	20			C1048281	C1048284					
	70 violet				C1048285					
 <b>GR 19</b>	40 violet			C1048945						
 <b>2xGR 19</b>	35 violet			C1048943						
 <b>GR 51</b>	90 violet						C1048185			
 <b>GR 65</b>	90 violet						C1048994			
<b>1/2 circle round bodied needle with short cutting point</b>										
 <b>HRC 26</b>	70 violet				C1048335					
 <b>HRC 37</b>	90 violet									C1048826
<b>3/8 circle round bodied needle with short cutting point</b>										
 <b>DRC 12</b>	70 violet	C1048300	C1048301	C1048302						
 <b>DRC 22</b>	20 violet						C1048830			
<b>5/8 circle round bodied needle with short cutting point</b>										
 <b>FRC 10</b>	30 violet	C1048798								



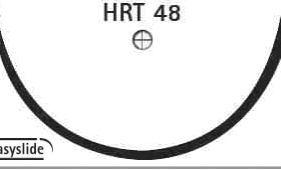

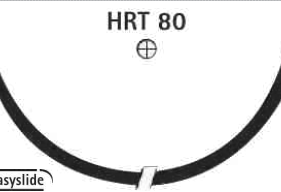





C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Hook round bodied needle with short cutting point									
Easyslide 	70							C1048477	C1048476
	120 violet						C1048193	C1048194	
Easyslide 	45							C1048479	
	60 violet						C1048483	C1048482	
Progressive curved round bodied needle with short cutting point									
Easyslide 	120 violet						C1048807		
1/2 circle round bodied needle with trocar point									
Easyslide 	70 violet		C1048312	C1048313	C1048314	C1048315	C1048316	C1048317	
Easyslide 	70 violet					C1048785			
Easyslide 	70 violet			C1048329	C1048330	C1048331	C1048332	C1048333	
	70 undyed							C1049333	
Easyslide 	70 violet				C1048341	C1048342	C1048343	C1048344	
	70 undyed					C1049342			
Easyslide 	70 violet					C1048441	C1048554	C1048444	
	70 undyed							C1049444	
Easyslide 	70 violet				C1048373	C1048372	C1048371	C1048374	
Easyslide 	70 90 violet						C1048379	C1048375	









## 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 37 ⊕ <small>Easyslide</small>	70					C1048392	C1048393	C1048391		
	90 violet					C1048650	C1048651	C1048652	C1048653	C1048654
	90 undyed					C1049661	C1049662	C1049663	C1049664	C1049665
 HRT 37 ⊕ <small>Easyslide</small> take off	4 x 45 violet						C1048761			
 HRT 37 ⊕ <small>Easyslide</small> loop	150 violet						C1048323			
 HRT 37s ⊕ <small>Easyslide</small>	70					C1048394	C1048395	C1048396	C1048397	
	90 violet						C1048532	C1048533	C1048534	C1048535
	70 undyed									C1049398
 HRT 40 ⊕ <small>Easyslide</small>	70						C1048023	C1048024	C1048525	
	90 violet						C1048985			
	70 undyed						C1049400	C1049673		
 HRT 40s ⊕ <small>Easyslide</small>	70 violet						C1048412	C1048413	C1048484	
	70 undyed							C1049671	C1049670	
 HRT 43 ⊕ <small>Easyslide</small>	70						C1048349	C1048351		
	90 violet						C1048997		C1048472	
 HRT 43 ⊕ <small>Easyslide</small> loop	150 violet							C1048346	B1048347	



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 43s Easyslide	70 90 violet					C1048352		C1048474	C1048353 C1048473
 HRT 43s Easyslide	150 violet						B1048356	B1048357	
 HRT 48 Easyslide	70 90 violet					C1048400 C1048500	C1048401 C1048501	C1048402 C1048502	C1048403 C1048503
 HRT 48 Easyslide	150 violet							B1048370	B1048918
 HRT 80 Easyslide	90 violet							G1048788	
3/8 circle round bodied needle with trocar point									
 DRT 12 Easyslide	70 violet	C1048306	C1048307						
 DRT 18 Easyslide	70 violet		C1048319	C1048320	C1048321				
 DRT 18 Easyslide	70 undyed			C1049320					
 DRT 22 Easyslide	70 violet			C1048376	C1048377	C1048378			
 DRT 26 Easyslide	70 violet				C1048382	C1048383			

## Needle-thread combination

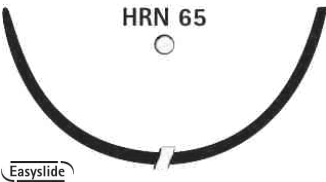





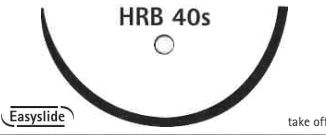
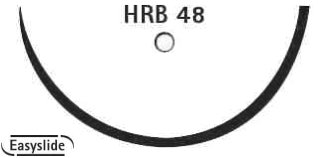
Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
3/8 circle round bodied needle with trocar point										
 DRT 32 Easyslide	70 violet					C1048385	C1048386	C1048387	C1048309	C1048389
5/8 circle round bodied needle with trocar point										
 FRT 17 Easyslide	70 undyed			C1049755						
3/8 circle round bodied needle with micro trocar point										
 DRTM 8 Easyslide	45 violet	G1048388								
1/2 circle round bodied needle with blunt point										
 HRN 30 Easyslide	70 2 x 70 violet				C1048638	C1048604 C1048704				
 HRN 35 Easyslide	70 90 violet					C1048517 C1048617	C1048518 C1048618	C1048619		
	70 90 undyed				C1049550	C1049549				
 HRN 40 Easyslide	70 90 violet						C1048634 C1048636	C1048635 C1048637		
	90 violet								C1048647	C1048648
 HRN 50 Easyslide	90 violet						C1048663	C1048664	C1048665	
 HRN 50s Easyslide	90 violet								C1048228	C1048229

C Box of 36 units

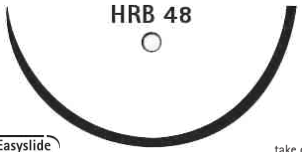








B Box of 24 units

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 blunt point									
 HRN 65 Easyslide	90 violet							B1048674	B1048675
3/8 circle round bodied needle with blunt point									
 DRN 64 Easyslide	70 90 violet						B1048607	B1048322 B1048605	B1048614
1/2 circle round bodied needle with protection point									
 HRB 26 Easyslide	8 x 45 undyed				M1049828				
 HRB 37s Easyslide	70 90 undyed					C1049818	C1049822	C1049823	
 HRB 37s Easyslide	8 x 45 undyed					M1049819	M1049820	M1049821	
 HRB 40s Easyslide	90 violet						C1048987	C1048988	
 HRB 40s Easyslide	8 x 45 violet						M1078295	M1078296	
 HRB 48 Easyslide	90 undyed						C1049778	C1049772	

## 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										
 HRB 48 take off	8 x 45 violet									M1078282
	8 x 45 undyed							M1049770	M1049771	
 HRB 65	90 violet								B1078306	B1048872
1/2 circle reverse cutting needle										
 HS 15 take off	45 70 violet		C1048203 C1048233	C1048204 C1048250						
	45 undyed		C1049203	C1049204						
 HS 18	70 violet								C1048205	
 HS 21 take off	45 violet			C1048225	C1048226					
	45 70 undyed			C1049225	C1049425					
 HS 23 take off	45 70 violet				C1048230 C1048430	C1048431	C1048432			C1048429
	45 70 undyed				C1049230 C1049430	C1049431	C1049432	C1049433		
 HS 23 take off	4 x 45 8 x 45 violet				C1078836 M1078090					
 HS 23ss take off	70 90 violet									C1048840 C1048844
	70 undyed						C1049437	C1049438		
 HS 23ss take off	3 x 45 undyed							B1049674		

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 26	70				C1048241	C1048242	C1048243	C1048244	
	90 violet					C1048442			
 HS 26s	70				C1049440	C1049441			
	undyed								
 HS 26s	70				C1048641	C1048290	C1048291	C1048292	
	violet								
 HS 26s	70				C1049289	C1049290	C1049084	C1049293	
	undyed								
 HS 26s	4 x 45					C1078895			
	violet								
 HS 26s	4 x 45				C1049894	C1049895			
	8 x 45 undyed					M1049176			
 HS 26ss	70								C1048084
	violet								
 HS 26ss	70							C1049083	
	undyed								
 HS 30	70					C1048251	C1048252	C1048253	
	violet								
 HS 30	70					C1049450	C1049451		
	undyed								
 HS 37	70						C1048976	C1048977	C1048978
	90				C1048494	C1048495	C1048496	C1048497	C1048498
 HS 37	violet								
	90 undyed					C1049294	C1049295	C1049296	C1049297
 HS 37s	70								
	90			C1048593	C1048293	C1048294	C1048296	C1048297	C1048298
 HS 37s	violet				C1048594	C1048596	C1048582	C1048583	C1048599
	70						C1049195	C1049196	C1049197
 HS 37s	undyed								
	70						C1048085	C1048086	C1048087
 HS 37s	violet								
	70						C1049085		C1049087
 HS 37s	undyed								
	3 x 45						B1078701		
 HS 37s	violet								
	take off								
 HS 40	70								
	90								
 HS 40	violet						C1048485	C1048805	C1048806
								C1048486	C1048487











## 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)
<b>1/2 circle reverse cutting needle</b>									
 <b>HS 40s</b> 	70					C1048267	C1048268	C1048269	C1048770
	90 violet					C1048585	C1048586	C1048587	C1048588
 <b>HS 40ss</b>  take off	3 x 45 undyed						B1049676		
 <b>HS 48f</b> 	90 violet							C1048464	
 <b>HS 48</b> 	70					C1048691	C1048261	C1048262	C1048263
	90 violet						C1048461	C1048462	C1048463
	90 undyed						C1049362	C1049363	C1049364
 <b>2xHS 48</b> 	90 violet							C1048683	
 <b>HS 55</b> 	70 violet								C1048227
<b>3/8 circle reverse cutting needle</b>									
 <b>DS 9</b> 	45 violet	C1048202							
 <b>DS 12</b> 	45	C1048206	C1048207	C1048208					
	70 violet	C1048506	C1048507	C1048508					
	45	C1049206	C1049207	C1049208					
	70 undyed	C1049330	C1049331						

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)
3/8 circle reverse cutting needle									
 2xDS 12 	45 violet		C1048769						
	30 undyed		C1049707						
 DS 16 	45		C1048212	C1048213	C1048214	C1048215			
	70 violet		C1048512	C1048513	C1048514				
	45		C1049212	C1049213	C1049214				
	70 undyed			C1049303					
 DS 19 	45		C1048219	C1048220	C1048221				
	70 violet		C1048419	C1048420	C1048421	C1048422			
	45		C1049219	C1049220	C1049221				
	70 undyed		C1049419	C1049420	C1049421	C1049422			
 2xDS 19 	2 x 45 violet			C1048729					
 DS 24 	45			C1048536					
	70		C1048232	C1048234	C1048235	C1048236	C1048237		
	150 violet					C1048537			
	45				C1049535				
	70			C1049234	C1049235	C1049236	C1049237		
	90 undyed				C1049240				
 DS 24 	4 x 45				C1078953				
	8 x 45 violet				M1078192				
 DS 30 	70 violet				C1048246	C1048247	C1048248	C1048249	C1048245
	70				C1049246	C1049247	C1049248	C1049244	
	90 undyed						C1049148		
 DS 35 	70 violet				C1048255	C1048256	C1048257	C1048258	C1048259
	70 undyed				C1049255	C1049256			
 DS 39 	70 violet						C1048282	C1048283	

## 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)	
<b>3/8 circle reverse cutting needle</b>										
 DS 48	70 violet								C1048453	
	70 undyed									C1049282
<b>5/8 circle reverse cutting needle</b>										
 FS 25	70 violet				C1048398					
<b>Straight reverse cutting needle</b>										
 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 violet						C1048933			
 GS 60	70 violet			C1048264	C1048265	C1048266				
	45				C1049465					
	70 undyed			C1049280	C1049265	C1049267				
 GS 75	70 violet						G1048923	G1048924		
<b>1/2 circle reverse cutting needle with precision point</b>										
 HSMP 9	45 undyed	C1049611	C1049591	G1049593						
<b>Needle</b>										
<b>Thread</b>										
<b>USP (metric)</b>										
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)	0 (3.5)	
2xHSMP 9	35 violet	C1048673								

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)	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									
 DSMP 7 	70 violet		C1048407						
 2xDSMP 7 	45 undyed		C1049708	C1049709					
 DSMP 11 	45 violet			C1048685					
	45 undyed		C1049702	C1049607	C1049608				
 DSMP 13f 	45 undyed			C1049617					
 DSMP 13 	70 violet				C1048723				
	45 undyed			C1049618	C1049619	C1049620			
 2xDSMP 13 	45 violet				C1048162				
	45 undyed				C1049715	C1049716			
 DSMP 16 	45 violet			C1048530	C1048538		C1048529		
	45 undyed			C1049526	C1049525	C1049524			
	70 undyed				C1049325	C1049326	C1049327		
 DSMP 19 	45 violet				C1048528	C1048823	C1048631		
	70 undyed						C1048824		
	45 undyed				C1049528	C1049529	C1049629	C1049630	C1049531
 DSMP 24 	70 violet						C1048864	C1048865	
	45 undyed					C1049655	C1049656	C1049657	
	70 undyed					C1049555	C1049556	C1049554	

## 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 circle reverse cutting needle with precision point										
 DSMP 30 	70 violet								C1048670	
	70 violet								C1048660	
 DSMP 39 	70 violet								C1048660	
	70 undyed							C1049659	C1049660	
Progressive curved reverse cutting needle with precision point										
 PSMP 16 	45 undyed					C1049602				

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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	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
6 threads of 45 cm	6 x 45 violet		C1038643	C1038644	C1038645	C1038646	B1038647	B1038649	B1038650
12 threads of 45 cm	12 x 45 violet			C1038664	C1038665	C1038666	B1038667	B1038669	B1038670
10 threads of 60 cm	10 x 60 violet		C1038180	C1038181	C1038182	C1038183	B1038567	B1038568	
12 threads of 60 cm	12 x 60 violet				C1038049	C1038050			
2 threads of 70 cm	2 x 70 violet			C1038404	C1038405	C1038406	C1038407	C1038409	C1038410
5 threads of 70 cm	5 x 70 violet			C1038444	C1038445	C1038446	C1038447	B1038449	B1038450
4 threads of 90 cm	4 x 90 violet					C1038064			
5 threads of 90 cm	5 x 90 violet				C1038455	C1038456	C1038457		
1 thread of 100 cm	1 x 100 violet							C1038100	
1 thread of 140 cm	1 x 140 violet		C1038203	C1038204	C1038205	C1038207	C1038208	C1038209	C1038210
1 thread of 150 cm	1 x 150 violet				B1038705	B1038706	B1038707	B1038709	B1038708
3 threads of 45 cm	3 x 45 undyed		C1039623	C1039624	C1039625	C1039626	C1039627	C1039629	C1039630
6 threads of 45 cm	6 x 45 undyed			C1039644	C1039645	C1039646	B1039647	B1039649	B1039650
12 threads of 45 cm	12 x 45 undyed			C1039664	C1039665	C1039666	B1039667	B1039669	B1039670
2 threads of 70 cm	2 x 70 undyed				C1039405	C1039406	C1039407		C1039410
5 threads of 70 cm	5 x 70 undyed			C1039444	C1039445	C1039446	C1039447		B1039450
1 thread of 140 cm	1 x 140 undyed			C1039204	C1039205	C1039207	C1039208		
Ligature reels									
1 thread of 250 cm	1 x 250 violet				G1038715	G1038716	G1038717	G1038719	G1038720

## Needle-thread combination

	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	1 x 250 violet						G1038721		G1038722
1 thread of 250 cm	1 x 250 undyed	G1039715	G1039716						

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

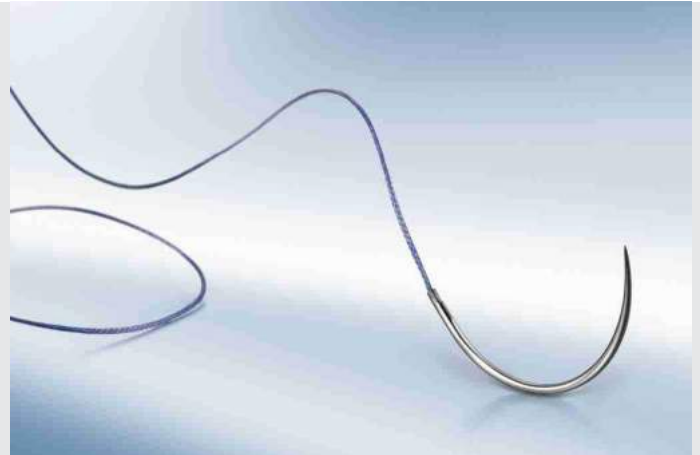
## Absorbable sutures

### Description

Novosyn® is a mid-term absorbable braided and coated synthetic suture made of polyglactin 910. Novosyn® degrades by hydrolysis and provides a predictable and reliable absorption.

### Indication

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



### Advantages

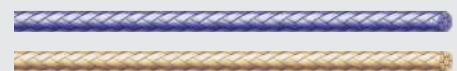
- Smooth knot run-down
- Gentle knot repositioning
- High knot holding capacity
- Minimized inflammatory reaction

# Novosyn®

## Product overview

Structure

Braided



Colour

Violet or undyed

Chemical composition

Polyglactin 910

Coating

Polyglactin 30/70 + calcium stearate

Origin

Synthetic

Sizes

USP 8/0 (metric 0.4) to USP 2 (metric 5)

Type of degradation

By hydrolysis

Mass absorption

56 up to 70 days



















Sterilisation

Ethylene oxide




















## Needle-thread combination

angle	Needle		Thread length cm colour	USP (metric)								
	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)	
3/8 circle round bodied needle micro needle												
135°	<b>DRm 6</b> 	140µ	20	G0068145								
			35	G0068146								
			violet									
135°	<b>DRm 8</b> 	140µ	30	G0068796								
			violet									
3/8 circle round bodied needle with short cutting point (mic)												
135°	<b>DRCm 4</b> 	140µ	23	G0068728								
			violet									
1/2 circle lancet micro needle												
	<b>2xHLM 6</b> 	150µ	30	G0068715								
			violet									
	<b>2xHLM 8</b> 		45			G0068966	G0068967	G0068968				
			30			G0069739						
			45			G0069740						
	<b>Easyslide</b> 	200µ	30	G0068740								
			45		G0068741							
			violet									
3/8 circle lancet micro needle												
140°	<b>2xDLm 5</b> 	150µ	30	G0068699								
			violet									
140°	<b>DLm 6</b> 	150µ	15	G0068615								
			30	G0068724								
			violet									
140°	<b>2xDLm 6</b> 	150µ	30	G0068702								
			45	G0068701								
			violet									
137°	<b>DLm 6s</b> 	200µ	20			G0068609						
			30	G0068620		G0068621						
			violet									
137°	<b>2xDLm 6s</b> 	200µ	30	G0068710		G0068712						
			38		G0068709							
			45	G0068713		G0068711						
			violet									
1/4 circle lancet micro needle												
97°	<b>VLm 6s</b> 	200µ	45			G0068612						
			violet									

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 length cm colour	USP (metric)							
angle	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)	0 (3.5)
3/8 circle lancet needle with micro-point										
	<b>2xDLm 11</b> 									
135°		45 violet				C0068743				
1/4 circle lancet needle with micro-point										
	<b>2xVLM 6</b> 	30 45 violet		C0068732	G0068616 G0068737					
										
	<b>VLM 8</b> 	45 70 violet			G0068778 G0068299					
										
	<b>2xVLM 8</b> 	20 45 violet			G0068733 G0068734	G0068748 G0068735	G0068736			
		45 undyed			G0069734	G0069735				
	<b>VLM 10</b> 	45 violet			G0068718					
										
	<b>2xVLM 10</b> 	45 violet			G0068738	G0068739				
		45 undyed			G0069738					
1/2 circle round bodied needle										
	<b>HR 6</b> 	30 45 violet	C0068148	C0068149 C0068020						
										
	<b>HR 10</b> 	70 violet			C0068002	C0068003				
		45 undyed			C0069802					
	<b>HR 13ff</b> 	70 undyed				C0069025				
										

## 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 round bodied needle									
HR 13 	45			C0068449	C0068450	C0068451			
	70 violet			C0068006	C0068007	C0068008 C0068452	C0068009		
 HR 13 	45			C0069405	C0069407	C0069408			
	70 undyed				C0069007	C0069008			
 HR 13 	4 x 45				C0088718	C0088719			
	8 x 45 violet				M0088190	M0088191			
 2xHR 13 	70 violet					C0068910			
 HR 13ss 	45						C0088320	C0088321	C0088322
	70 violet						C0068120	C0068110	C0068111
 HR 17f 	70 violet								
	70 undyed							C0069758	
 HR 17 	45					C0088340			
	4 x 45 8 x 45 70 90 violet			C0068011	C0068012	C0068013 C0068853	C0088717 M0088186 C0068014 C0068854	B0088712 M0088188 C0068015 C0068855	C0068016
 HR 17b 	4 x 45 8 x 45 70 undyed			C0069011	C0069012	C0069013	B0069712 M0069021 C0069014	C0069015	
	70 violet				C0068144	C0068147	C0068152		
 HR 17 	4 x 45 8 x 45 4 x 70 8 x 70 violet					C0088713 M0088185 C0088613 M0088255	C0088714 M0088187 C0088614 M0088256		
	4 x 45 8 x 45 4 x 70 8 x 70 undyed					C0089713 M0089020 C0089613 M0089190	C0089612 M0089191		
 HR 17 	take off								

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 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										
	<b>HR 17b</b> 	take off 8 x 45 violet							M0068153	
	<b>HR 17</b> 	loop 30 violet				C0068469				
	<b>2xHR 17</b> 	70 90 violet				C0068869	C0068870	C0068904		
	<b>2xHR 17b</b> 	70 violet				C0068163	C0068176			
	<b>HR 17s</b> 	45 70 violet					C0068113	C0088335 C0068114	C0068115	C0068116
Needle		Thread	USP (metric)							
length mm	length cm colour		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
	<b>HR 17s</b> 	70 violet						C0068118		
	<b>HR 20</b> 	45 70 90 violet		C0068795 C0068765	C0068766 C0068763	C0068767				
	<b>HR 20</b> 	take off 4 x 45 violet			C0088783					
	<b>HR 22</b> 	20 45 4 x 45 8 x 45 70 90 120 140 violet		C0068001 C0088622	C0088325	C0068004 C0068005 C0088624 M0088179				
			C0088621 M0088175 C0068028	C0068029 C0068438 C0068521	C0068030 C0068877 C0068078	C0068031 C0068881 C0068880	C0068032 C0068876			
			B0069728 M0069110							
			4 x 45 8 x 45 70 90 undyed	C0069029	C0069030 C0069720	C0069031	C0069032	C0069033		
										

## 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										
 <b>HR 22b</b> 	70		C0068181	C0068186	C0068189					
	120 violet			C0068365						
 <b>HR 22</b>	4 x 45		C0088729	C0088730	C0088731					
	8 x 45		M0088177	M0088178	M0088180					
	4 x 70		C0088629	C0088630	B0088631	B0088632	B0088633			
	8 x 70	B0088618	M0088248	M0088249	M0088250	M0088251	M0088252			
 <b>HR 22</b> 	4 x 90	M0088272								
	8 x 90 violet									
 <b>HR 22b</b> 	4 x 45			C0089730	C0089731					
	8 x 45 undyed			M0089112	M0089113					
 <b>HR 22b</b> 	8 x 45		M0068182	M0068188						
	take off violet									
 <b>2xHR 22</b> 	20		C0068801	C0068802						
	90			C0068874	C0068875					
	120 violet		C0068938							
 <b>2xHR 22b</b> 	70		C0068190	C0068192						
	90 violet		C0068191							
 <b>HR 22s</b> 	30				C0068106					
	70		C0068932	C0068934	C0068036	C0068037	C0068038			
	90 violet				C0068825					
 <b>HR 22s</b> 	70			C0069934						
	undyed									
 <b>HR 22s</b> 	4 x 70							B0088604		
	8 x 70 violet							M0088245		
 <b>2xHR 22s</b> 	70									
	70 violet					C0068937				
 <b>HR 22ss</b> 	4 x 45							B0068129		
	70 violet							C0068033		

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									
	20			C0068079	C0068018				
	45		C0068010		C0068109				
	70	C0068039	C0068040	C0068041	C0068042	C0068043	C0068044	C0068034	
	4 x 70			C0088647	B0088648	B0088649			
	8 x 70			M0088238	M0088240	M0088242			
	90		C0068540	C0068541	C0068542	C0068543	C0068544	C0068545	
	120			C0068088	C0068067				
	140				C0068546				
	violet								
		70		C0069040	C0069041	C0069042	C0069043	C0069044	
	4 x 70			C0069647					
	8 x 70			M0069498					
	90			C0069541	C0069540	C0069543			
	undyed								
	70		C0068196	C0068198	C0068209				
	violet								
	4 x 45		C0088740	C0088741	C0088742				
	8 x 45		M0088170	M0088171	M0088172				
	4 x 70		C0088640	C0088641	C0088642	B0088643			
	8 x 70		M0088237	M0088239	M0088241	M0088243			
	4 x 90		B0088636						
	8 x 90		M0088271						
	violet								
	4 x 45			C0089741	C0089742	B0089743			
	8 x 45			M0089116	M0089117	M0089118			
	4 x 70			C0089641	B0089642				
8 x 70			M0089499	M0089500					
	undyed								
	8 x 45			M0068200					
	8 x 70			M0068201					
	violet								
	70					C0068907			
	90		C0068900	C0068901	C0068902	C0068903	C0068905	B0068906	
	150				C0068714				
	violet								
	70			C0068210	C0068217				
	90			C0068216					
	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 26s	45										
	70			C0068089	C0068019	C0068090	C0068091	C0068092	C0068093		
 HR 26s	4 x 70					B0068135					
	8 x 70					M0068295	M0068305				
	90			C0068589	C0068590	C0068591	C0068592	C0068613			
	violet										
	70			C0069089	C0069090	C0069091	C0069092				
undyed											
 HR 26s	4 x 45			C0088789	C0088790	B0088791	B0088792	B0088793			
	8 x 45			M0088163	M0088164	M0088165	M0088166	M0088167			
	4 x 70					B0088691	B0088692	B0088693			
	8 x 70					M0088232	M0088233	M0088234			
	take off										
 2xHR 26s	90							C0068915			
	violet										
	 HR 26ss	45					C0068890				
70					C0068790	C0068791	C0068100	C0068793			
90							C0068580	C0068642			
	 HR 26ss	4 x 45				C0088810					
8 x 45						M0088160					
4 x 70								B0088015			
violet											
	take off										
 HR 30	70		C0068035	C0068046	C0068047	C0068048	C0068049	C0068045			
	90		C0068445	C0068446	C0068447	C0068448	C0068645				
	violet										
	70			C0069046	C0069047	C0069048	C0069049				
90					C0069448	C0069449					
undyed											
 HR 30	4 x 45					C0088761	B0088762	B0088763			
	8 x 45					M0088155	M0088156	M0088157			
	4 x 70			C0088660	B0088661	B0088662					
	8 x 70			M0088228	M0088229	M0088230					
	take off										
 2xHR 30	70					C0068747					
	90						C0068174				
	violet										
											

C Box of 36 units






B Box of 24 units








G Box of 12 units

M Box of 6 units

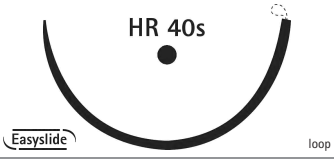





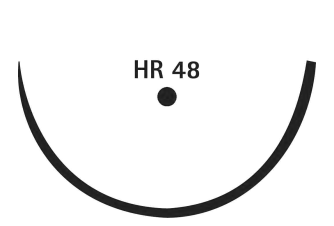
Needle length mm	Thread length cm colour	USP (metric)							
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle									
 HR 30s Easyslide	4 x 45								
	8 x 45								
	70					C0068547	C0068548	B0088863	
	90							M0088152	
	violet							C0068549	
								C0068633	
 HR 30ss Easyslide	70						C0088716	C0068559	
	90							C0068646	C0068649
	violet								
 HR 30ss Easyslide take off	4 x 45					C0088801	B0088686		
	8 x 45					M0088150	M0088151		
	4 x 70					B0088711	B0088715	B0088803	
	8 x 70					M0088223	M0088224	M0088225	
	violet								
 HR 37 Easyslide	45					C0068017			
	70				C0068050	C0068051	C0068052	C0068053	C0068054
	90				C0068550	C0068551	C0068552	C0068553	
	violet								
	70				C0069050	C0069051	C0069052		
	90					C0069585			
	undyed								
 HR 37 Easyslide take off	4 x 45				C0088769	C0088770			
	8 x 45				M0088145	M0088146			
	4 x 70				C0088669	B0088670	B0088671		
	8 x 70				M0088218	M0088219	M0088220		
	violet								
 2xHR 37 Easyslide	90								
	violet				C0068762				

## Needle-thread combination


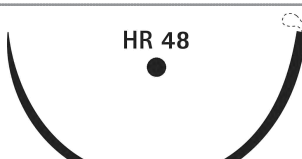


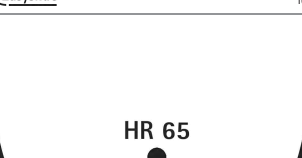



Needle length mm	Thread length cm colour	USP (metric)							
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle									
 HR 37s	45					C0068021			
	4 x 45						B0088897		
	8 x 45						M0088138		
	70		C0068952	C0068094	C0068095	C0068096	C0068097	C0068098	
	3 x 70					B0088760	B0088780		
	90		C0068953	C0068955	C0068595	C0068956	C0068597	C0068598	
	4 x 90					B0088652	B0088653		
	8 x 90					M0088266	M0088267		
	140					C0068126			
	150				C0068584			B0068125	
violet									
 HR 37s	70			C0069099	C0069095	C0069096	C0069097	C0069098	
	90			C0069594	C0069595	C0069596	C0069597	C0069598	
	140			C0069411				B0069998	
	undyed								
 HR 37s	4 x 45			C0088794	C0088795	B0088796	B0088797	B0088798	
	8 x 45			M0088135	M0088136	M0088137	M0088139	M0088140	
	4 x 70				B0088695	C0088696	B0088697	B0088698	
	8 x 70				M0088212	M0088213	M0088214	M0088215	
	4 x 90							B0088657	
	8 x 90							M0088268	
	violet								
 HR 37s	4 x 45			C0089794	C0089795	B0089796	B0089797		
	8 x 45			M0089130	M0089131	M0089132	M0089133		
	4 x 70					B0089696	B0089697		
	8 x 70					M0089504	M0089505		
	undyed								
 HR 37s	30					C0068693			
	140					B0068412			
	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										
 <p><b>2xHR 37s</b></p> <p>Easyslide</p>	2 x 90 violet					C0068727				
 <p><b>HR 37s + DS 24</b></p> <p>Easyslide</p>	150 violet					C0068279				
 <p><b>HR 37ss</b></p> <p>Easyslide</p>	70 4 x 70 90 violet					C0068121	C0068122	C0068123 B0068132		
	70 undyed						C0069122	C0069123	C0069124	
 <p><b>HR 37ss</b></p> <p>Easyslide</p> <p>take off</p>	4 x 45 8 x 45 4 x 70 8 x 70 violet					C0088805 M0088130	B0088806 M0088131 B0088706 M0088210	B0088807 M0088132 B0088707		
 <p><b>HR 40</b></p> <p>Easyslide</p>	70 90 violet					C0068381	C0068175 C0068569	C0068457 C0068571	C0068661	
 <p><b>HR 40s</b></p> <p>Easyslide</p>	70 90 120 violet			C0068059 C0068466	C0068055 C0068467	C0068056 C0068556 C0068367	C0068057 C0068557 C0068555	C0068058 C0068558		
	70 90 undyed			C0069466	C0069055 C0069467	C0069058 C0069559	C0069057 C0069557	C0069558		
 <p><b>HR 40s</b></p> <p>Easyslide</p> <p>take off</p>	4 x 45 5 x 45 8 x 45 4 x 70 8 x 70 4 x 90 8 x 90 violet					C0088765 M0088115	B0088766 M0088116 B0088771 B0088680 M0088263	B0088767 B0088778 M0088117 B0088667 M0088207	B0088768 M0088118 B0088668 M0088208	
	4 x 70 undyed						B0089610			

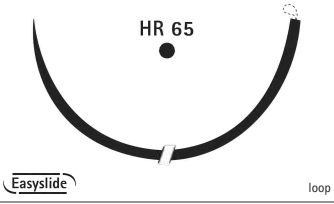
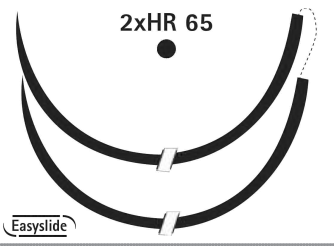
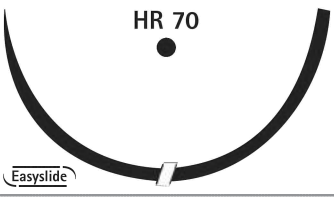
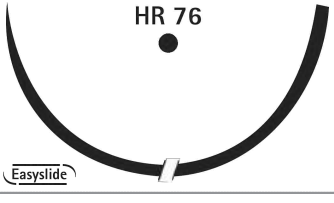
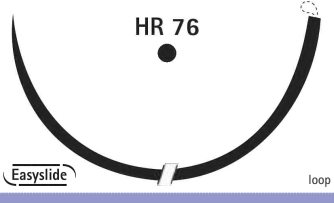


## Needle-thread combination























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 40s Easyslide loop	150 violet					C0068355	B0068350			
 2xHR 40s Easyslide	140 violet			B0068912						
 HR 40ss Easyslide	70 undyed						C0069856			
 HR 43 Easyslide	70 90 violet					C0068946 C0068846	C0068947 C0068847	C0068948 C0068848		
	70 90 undyed				C0069945	C0069946	C0069947 C0069847	C0069948 C0069848		
 HR 43 Easyslide take off	4 x 45 8 x 45 violet						B0088781 M0088110	B0088782 M0088111		
 HR 43s Easyslide	70 violet						C0068169	C0068070		
 HR 48 Easyslide	70 4 x 70 8 x 70 90 120 violet			C0068099	C0068060	C0068061	C0068062 B0088682 M0088202	C0068063 C0068563 B0068779		
	70 90 undyed			C0069059 C0069565	C0069060 C0069564	C0069061 C0069561	C0069062 C0069562	C0069063 C0069563		













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									
 <p><b>HR 48</b></p>	4 x 45			B0088784	B0088785	B0088786	B0088787	B0088788	
	8 x 45			M0088100	M0088101	M0088102	M0088103	M0088104	
 <p><b>HR 48</b></p>	4 x 70						B0088687	B0088688	
	8 x 70						M0088203	M0088204	
 <p><b>HR 48</b></p>	4 x 90							B0088020	
	4 x 90								
 <p><b>HR 48</b></p>	violet								
	4 x 45			B0089065	B0089066	B0089786			
 <p><b>HR 48</b></p>	8 x 45			M0089138	M0089139	M0089140			
	undyed								
 <p><b>HR 60</b></p>	150					B0068158	B0068119		
	violet								
 <p><b>HR 60</b></p>	70				C0068064	C0068065	C0068066	C0068068	
	violet								
 <p><b>HR 60</b></p>	150				B0068454	B0068455	B0068380		
	violet								
<p><b>HR 65</b></p>	70				B0068071		B0068072		
	4 x 70						B0088655	B0088656	
<p><b>HR 65</b></p>	5 x 70						B0088684	B0088684	
	8 x 70						M0088199	M0088200	
<p><b>HR 65</b></p>	90						B0068639	C0068640	
	150						B0068939	B0068940	
<p><b>HR 65</b></p>	violet								
	70				B0069064				
<p><b>HR 65</b></p>	2 x 70						B0069076	G0069075	
	90							B0069105	
<p><b>HR 65</b></p>	140							B0069372	
	undyed								

## Needle-thread combination



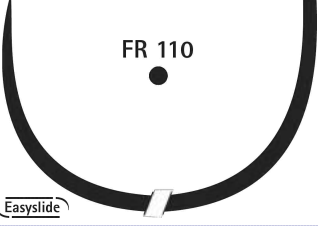


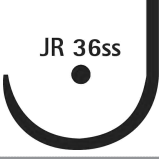


Needle length mm	Thread length cm colour	USP (metric)								
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	
1/2 circle round bodied needle										
 <p>HR 65</p> <p>Easyslide</p> <p>loop</p>	150 240 violet							B0068919 B0068929	B0068930	
 <p>2xHR 65</p> <p>Easyslide</p>	70 violet								B0068680	
 <p>HR 70</p> <p>Easyslide</p>	70 violet				B0068803	B0068804	B0068183			
 <p>HR 76</p> <p>Easyslide</p>	70 90 150 violet			B0068073 B0068578	B0068074	B0068075	B0068076 B0068579	B0068077 B0068931		
	90 undyed			B0069578						
 <p>HR 76</p> <p>Easyslide</p> <p>loop</p>	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										
 <p>DR 8</p> <p>Easyslide</p>	30 violet	C0068133		C0068433						
 <p>DR 10</p> <p>Easyslide</p>	45 violet		C0068101	C0068102	C0068103					

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 12 	45				C0068134				
	60					C0068105			
	70 violet			C0068434	C0068435	C0068436			
 2xDR 12 	45 undyed			C0069725	C0069726				
 DR 15 	45					C0068137			
	70 violet					C0068107			
 DR 17 	70 violet					C0068768			
 DR 18 	45					C0068138			
	70 violet				C0068155	C0068150	C0068151		
	70 undyed						C0069151		
 DR 18b 	20 violet					C0068277			
 DR 22 	20						C0068166	C0068167	
	70					C0068159	C0068160	C0068161	
	120 violet						C0068156	C0068157	
 DR 22 b 	70 violet					C0068108	C0068117		
 DR 26 	20						C0068177	C0068178	
	70						C0068164	C0068165	
	120 violet						C0068179	C0068180	
 DR 32 	70 violet						C0068170	C0068171	C0068172
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)
 DR 32 	70 90 violet				C0068565	C0068566	C0068567	C0068173 C0068568	C0068168



























## 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)	
<b>3/8 circle round bodied needle</b>										
 DR 48 Easyslide	90 violet					C0068606				
 DR 48 Easyslide take off	4 x 45 violet									B0088010
<b>5/8 circle round bodied needle</b>										
 FR 26 Easyslide	20 70 90 120 violet				C0068414	C0068773 C0068415 C0068775 C0068776	C0068774 C0068416 C0068810 C0068777		C0068417	
	45 70 undyed							C0069415	C0069483	
 FR 26b Easyblack	70 violet				C0068027	C0068080	C0068082		C0068104	
 FR 26 Easyslide loop	30 violet					C0068667				
 2xFR 26 Easyslide	70 90 violet			C0068813	C0068818	C0068815 C0068820	C0068817 C0068828			
 FR 26s Easyslide	70 violet								C0068428	
 2xFR 31 Easyslide	70 violet					C0068717				
 FR 36 Easyslide	70 90 violet				C0068424	C0068425	C0068426 C0068860		C0068427	
 2xFR 36 Easyslide	70 90 violet					C0068990	C0068861			

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									
 FR 40 Easyslide	70						C0068489	C0068490	C0068491
	90 violet							C0068866	C0068867
 2xFR 40 Easyslide	90 violet							C0068886	
 FR 110 Easyslide	75 violet							G0068677	G0068678
Hook round bodied needle									
 JR 30 Easyslide	70 violet						C0068475		
 JR 30s Easyslide	70 violet								C0068481
 JR 36ss Easyslide	70 violet						C0068410	C0068408	
 JR 40s Easyslide	70 120 violet							C0068197	C0068478
Ski Needle round bodied needle									
 SKR 19 Easyslide	20			C0068752	C0068753	C0068754			
	45				C0068154				
	120 violet			C0068755	C0068756	C0068757			

## 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)	
Ski Needle round bodied needle										
 <b>SKR 26</b> 	20				C0068746	C0068749				
	30					C0068629				
	120 violet					C0068744	C0068751	C0068781		
 <b>SKR 26b</b> 	20 violet				C0068286	C0068287				
 <b>SKR 26</b>  take off	4 x 45 violet				C0088850	C0088851				
 <b>SKR 26</b>  loop	40 violet				C0068745					
 <b>SKR 26b</b> 	120 violet				C0068273					
Progressive curved round bodied needle										
 <b>PR 13b</b> 	45 violet		C0068218							
 <b>PR 16</b> 	45 undyed			C0069135						
Straight round bodied needle										
 <b>GR 19</b> 	20			C0068281	C0068284					
	35			C0068944						
	70 violet				C0068285			C0068695		
 <b>GR 19b</b> 	20 violet			C0068288	C0068289					
 <b>GR 19</b>  loop	40 violet			C0068945						
 <b>2xGR 19</b> 	35 violet			C0068943						
 <b>GR 35</b> 	90 violet					C0068184				
 <b>GR 51</b> 	70 90 violet				C0068405	C0068185				

C Box of 36 units

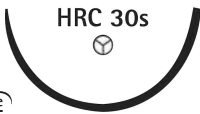




















B Box of 24 units

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									
 <b>GR 65</b> 	90 violet					C0068994			
1/2 circle round bodied needle with short cutting point									
 <b>HRC 17</b> 	70		C0068312	C0068313 C0068083	C0068314	C0068315	C0068316	C0068081	
	90 violet								
 <b>HRC 17</b> 	45		C0069309	C0069310					
	70 undyed		C0069339	C0069340	C0069341				
 <b>HRC 17</b> 	4 x 45 8 x 45 violet					C0088025 M0088030			
 <b>HRC 20s</b> 	70 violet					C0068785			
 <b>HRC 22</b> 	20				C0068327	C0068328			
	70			C0068325	C0068326	C0068331	C0068332	C0068333	
	120 violet				C0068310	C0068311			
 <b>HRC 22</b> 	70 undyed					C0069474		C0069475	
 <b>HRC 26</b> 	20				C0068334	C0068337			
	70			C0068694	C0068335	C0068336	C0068343	C0068698	
	120 violet				C0068339	C0068345			
 <b>HRC 26</b> 	70 undyed					C0069778	C0069763 C0069779		
 <b>HRC 26</b> 	4 x 45				C0088035	C0088036			
	8 x 45					M0088037			
	4 x 70				B0088065	C0088066	B0088075		
	8 x 70 violet						M0088275		
 <b>HRC 26s</b> 	70 violet					C0068441	C0068721	C0068444	
 <b>HRC 26s</b> 	70 undyed							C0069444	
 <b>HRC 30</b> 	70 violet				C0068373	C0068372	C0068371	C0068374	

## 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 short cutting point										
 <b>HRC 30s</b> 	70							C0068716		
	90 violet								C0068375	
 <b>HRC 37</b> 	70				C0068360	C0068361	C0068362	C0068363		
	90 violet				C0068139	C0068140	C0068141	C0068142	C0068143	
 <b>HRC 37</b> 	70					C0069812				
	90 undyed				C0069864	C0069865	C0069866	C0069867	C0069868	
 <b>HRC 37</b> 	4 x 45						C0088285			
	4 x 90 violet				B0088290		B0088286			
 <b>HRC 37</b> 	150						C0068187			
	violet									
 <b>HRC 37s</b> 	70				C0068841	C0068842	C0068843	C0068844		
	90 violet				C0068893	C0068894	C0068895	C0068896	C0068897	
 <b>HRC 37s</b> 	70					C0069875	C0069876	C0069877	C0069878	
	90 undyed				C0069884		C0069886	C0069887		
 <b>HRC 40</b> 	70					C0068908	C0068909			
	90 violet					C0068949	B0068950	C0068951		
 <b>HRC 40</b> 	70						C0069920			
	90 undyed						C0069903			
 <b>2xHRC 40</b> 	70								C0068026	
	violet									
 <b>HRC 40s</b> 	70					C0068958	C0068959	C0068960	C0068961	
	90 violet								C0068992	
 <b>HRC 40s</b> 	70					C0069956	C0069957	C0069958		
	undyed									

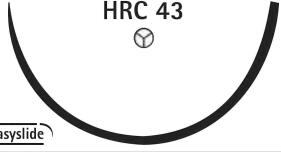

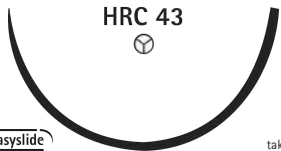

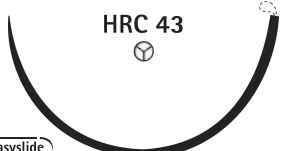

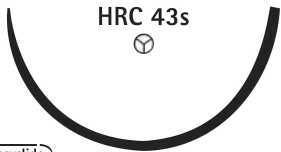

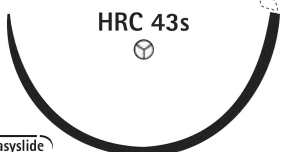



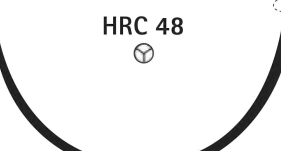

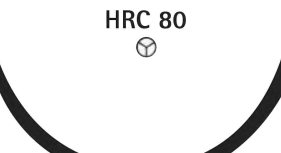

C Box of 36 units

B Box of 24 units












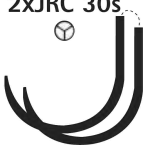








G Box of 12 units

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 short cutting point									
 HRC 43 	70				C0068970	C0068971	C0068972		
	90 violet					C0068976	C0068977	C0068978	
	70 undyed							C0069966	
 HRC 43 	4 x 45 violet					C0088300			
 HRC 43 	150 violet						C0068872	B0068873	
 HRC 43s 	70					C0068625		C0068627	C0068628
	90 140 violet							C0068982	C0068983
	90 undyed					C0069989			B0068883
 HRC 43s 	150 violet						B0068601	B0068602	
	150 undyed							B0069972	
 HRC 48 	70					C0068962	C0068963	C0068964	C0068965
	90 150 violet				C0068570	C0068572	C0068573	C0068574	C0068575
	90 undyed						C0069927	B0068837	
 HRC 48 	150 violet						B0068986	B0068987	B0068988
	150 undyed							B0069939	
 HRC 80 	90 violet							G0068657	


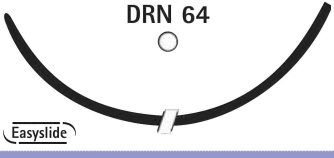

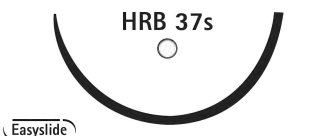
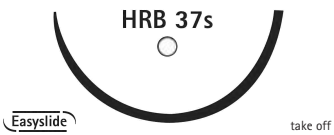
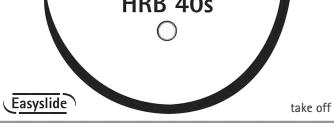

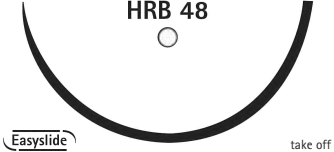
## Needle-thread combination

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										
 <b>DRC 12</b> 	70 violet	C0068300	C0068301	C0068302						
 <b>DRC 22</b> 	20 70 120 violet				C0068829 C0068827 C0068831	C0068830 C0068832				
 <b>DRC 26</b> 	20 120 violet				C0068833 C0068835	C0068834 C0068836				
5/8 circle round bodied needle with short cutting point										
 <b>FRC 10</b> 	30 violet	C0068798								
Hook round bodied needle with short cutting point										
 <b>JRC 30s</b> 	70 90 120 violet					C0068193	C0068477 C0068194	C0068476 C0068857		
 <b>2xJRC 30s</b> 	45 60 violet					C0068195 C0068483	C0068479 C0068482			
Progressive curved round bodied needle with short cutting point										
 <b>PRC 24</b> 	120 violet					C0068807				
5/8 circle round bodied needle with trocar point										
 <b>FRT 17</b> 	70 undyed			C0069755						
3/8 circle round bodied needle with micro trocar point										
 <b>DRTM 8</b> 	45 violet	G0068388								
 <b>2xDRTM 8</b> 	45 violet	G0068725								











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)
1/2 circle round bodied needle with blunt point									
 HRN 30 	70 2 x 70 violet				C0068638	C0068604 C0068704			
 HRN 35 	70 90 violet					C0068517 C0068617	C0068518 C0068618	C0068608 C0068619	
 HRN 35  take off	70 90 undyed				C0069550	C0069549 C0069548	C0069547 C0069553	C0069552	
 HRN 35  take off	4 x 45 8 x 45 undyed					C0089650 M0089156	B0089750 M0089157	B0089800 M0089158	
 HRN 40 	70 90 violet						C0068634 C0068636	C0068635 C0068637	
 HRN 45 	90 violet							C0068647	C0068648
 HRN 50 	90 violet						C0068663	C0068664	C0068665
 HRN 50  take off	90 undyed						C0069704	C0069705	
 HRN 50  take off	4 x 45 8 x 45 undyed						B0089703 M0089162	B0089805 M0089163	
 HRN 50s 	90 violet							C0068228	C0068229









## 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										
 <p><b>HRN 65</b></p> <p>Easyslide</p>	90 violet								B0068674	B0068675
3/8 circle round bodied needle with blunt point										
 <p><b>DRN 64</b></p> <p>Easyslide</p>	90 violet							B0068607	B0068605	B0068614
1/2 circle round bodied needle with protection point										
 <p><b>HRB 26</b></p> <p>Easyslide</p> <p>take off</p>	8 x 45 undyed				M0089828					
 <p><b>HRB 37s</b></p> <p>Easyslide</p>	70 violet							C0088316		
	70 90 undyed					C0069818		C0069822		
 <p><b>HRB 37s</b></p> <p>Easyslide</p> <p>take off</p>	8 x 45 undyed					M0089819	M0089820	M0089821		
 <p><b>HRB 40s</b></p> <p>Easyslide</p> <p>take off</p>	8 x 45 violet							M0088295	M0088296	
 <p><b>HRB 48</b></p> <p>Easyslide</p>	90 undyed								C0069772	
 <p><b>HRB 48</b></p> <p>Easyslide</p> <p>take off</p>	8 x 45 violet									M0088282
	8 x 45 undyed							M0089770	M0089771	





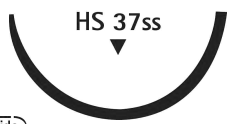

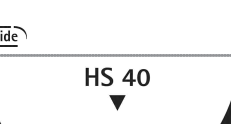
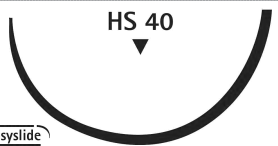
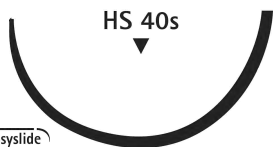
C Box of 36 units    B Box of 24 units    G Box of 12 units    M Box of 6 units

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									
 HRB 65 Easyslide	4 x 70								
	90 violet							B0088306	B0088307
1/2 circle reverse cutting needle									
 HS 15 Easyslide	45		C0068203	C0068204					
	70 violet		C0068233	C0068250					
 HS 17ss Easyslide	45		C0069203	C0069204					
	undyed								
 HS 18 Easyslide	3 x 45						B0088689		
	4 x 45						B0088690		
	8 x 45 violet	take off					M0088055		
 HS 21 Easyslide	70		C0068439	C0068522				C0068205	
	violet								
 HS 21 Easyslide	70								
	undyed								
	45								
 HS 21 Easyslide	70								
	violet								
	undyed								
 HS 23 Easyslide	45								
	70								
	90 violet								
 HS 23 Easyslide	45								
	70								
	undyed								
 HS 23 Easyslide	4 x 45								
	8 x 45 violet								
	4 x 45 undyed	take off							

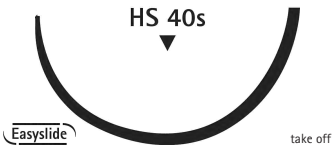

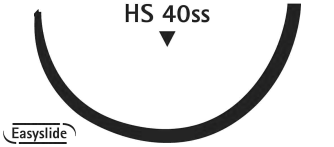
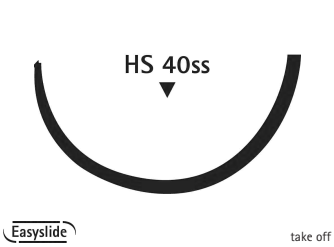
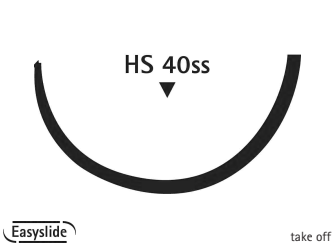
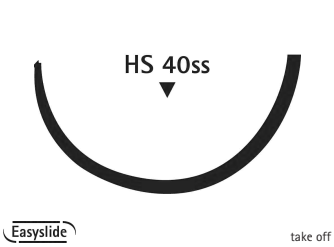
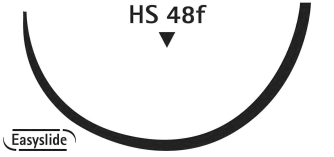
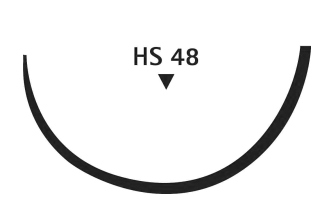
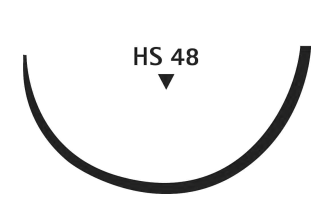
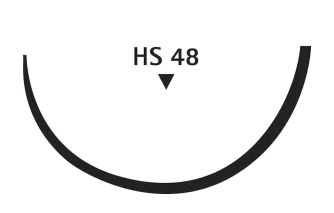
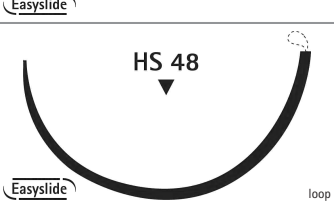
## Needle-thread combination

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 reverse cutting needle										
 HS 23ss	70 violet									C0068840
	70 undyed					C0069435	C0069437	C0069438	C0069434	
 HS 23ss	3 x 45					C0088901	B0088699	B0088899		
	4 x 45					C0088902	B0088694	B0088900		
	8 x 45					M0088085	M0088086	M0088087		
	3 x 45 violet					C0089677	B0089674			
	4 x 45 violet					C0089680	B0089710			
8 x 45 violet					M0089167	M0089168				
70 undyed										
 HS 26	45					C0088125		C0068112		
	70				C0068241	C0068242	C0068243	C0068244		
	90					C0068442		C0068459		
	70 violet									
70 undyed				C0069440	C0069441	C0069442				
 HS 26s	70				C0068641	C0068290	C0068291	C0068292		
	90					C0068440				
	70 violet									
70 undyed				C0069289	C0069290	C0069084	C0069293			
 HS 26s	4 x 45				C0088894	C0088895				
	8 x 45				M0088080	M0088081				
	4 x 70							B0088153		
	4 x 45 violet									
	8 x 45 violet					C0089894	C0089895			
70 undyed				M0089175	M0089176					
 HS 26ss	70						C0068975		C0068084	
	70 violet									
70 undyed								C0069083		
 HS 26ss	4 x 45						B0088906	B0088907		
	8 x 45						M0088070	M0088071		
	70 violet									
 HS 30	70					C0068251	C0068252	C0068253		
	90							C0068493		
	70 violet									
70 undyed						C0069450	C0069451			
90 undyed							C0069492			

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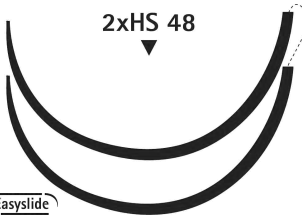

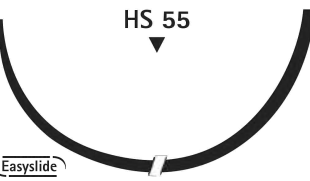







Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle reverse cutting needle									
 <b>HS 30</b> take off	4 x 45				C0088910				
	8 x 45 violet				M0088060				
 <b>HS 37</b>	90 violet				C0068494	C0068495	C0068496	C0068497	C0068498
	70				C0069459	C0069461	C0069462		
	90 undyed					C0069294	C0069295	C0069296	C0069297
 <b>HS 37s</b>	70				C0068293	C0068294	C0068296	C0068297	C0068298
	90 violet			C0068593	C0068594	C0068596	C0068582	C0068583	C0068599
	70 undyed				C0069460	C0069195 C0069187	C0069196	C0069197	C0069198
 <b>HS 37s + HR 37s</b>	140 150 violet				C0068276	B0068280 C0068278			
	140 undyed				C0069410				
 <b>HS 37ss</b>	70					C0068085	C0068086	C0068087	
	90 violet						C0068581		
	70 undyed					C0069085	C0069088	C0069087	
 <b>HS 37ss</b>	3 x 45					C0088921	B0088701		
	4 x 45					C0088922	B0088700		
	8 x 45 violet					M0088050	M0088051		
	3 x 45					C0089678	B0089675		
	4 x 45					C0089685	B0089718		
 take off	8 x 45 undyed					M0089185	M0089186		
 <b>HS 40</b>	70						C0068805	C0068806	
	90 violet					C0068485	C0068486	C0068487	C0068488
 <b>HS 40s</b>	70				C0068271	C0068267	C0068268	C0068269	C0068770
	90 violet					C0068585	C0068586	C0068587	C0068588
	70 undyed						C0069200	C0069093	C0069352

## 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									
 <p>HS 40s take off</p>	4 x 70 violet					B0088942			
 <p>HS 40s + DS 30</p>	140 undyed				C0069455				
 <p>HS 40ss</p>	70 violet						C0068199		
	70 undyed						C0069199	C0069094	
 <p>HS 40ss take off</p>	3 x 45					C0088931	B0088703	B0088911	B0088934
	4 x 45					C0088932	B0088704	B0088912	B0088935
	8 x 45 violet					M0088040	M0088041	M0088042	M0088043
	3 x 45						B0089676		
 <p>HS 40ss take off</p>	4 x 45					B0089722	B0089912		
 <p>HS 40ss take off</p>	8 x 45 undyed					M0089171	M0089172		
 <p>HS 48f</p>	90 violet							C0068464	
 <p>HS 48</p>	70					C0068691	C0068261	C0068262	C0068263
	90						C0068461	C0068462	C0068463
	4 x 90							B0088685	
 <p>HS 48</p>	8 x 90 violet						M0088259		
 <p>HS 48</p>	70						C0069349	C0069350	
	90 undyed						C0069362	C0069363	C0069364
 <p>HS 48 loop</p>	150 violet							B0068303	

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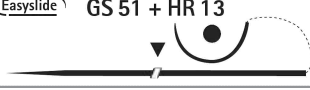







Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
<b>1/2 circle reverse cutting needle</b>									
 2xHS 48 	90 violet							B0068683	
	70 violet								C0068227
 HS 55 									
<b>3/8 circle reverse cutting needle</b>									
 DS 9 	45 violet	C0068202							
	45 undyed	C0069205							
 DS 12 	45 70 violet	C0068206 C0068506	C0068207 C0068507	C0068208 C0068508					
	45 70 undyed	C0069206 C0069330	C0069207 C0069331	C0069208					
	45 violet	C0068706	C0068769						
	30 45 undyed	C0069706	C0069707						
 DS 16 	45 70 90 violet		C0068212 C0068512 C0068511	C0068213 C0068513	C0068214 C0068514	C0068215			
	45 70 undyed		C0069212	C0069213	C0069214 C0069302				
	45 undyed			C0069217					



























## 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 19 	45		C0068219	C0068220	C0068221					
	70		C0068419	C0068420	C0068421	C0068422				
	90 violet			C0068224	C0068223					
	45		C0069219	C0069220	C0069221					
	70		C0069419	C0069420	C0069421	C0069422				
	90 undyed			C0069223	C0069224					
2xDS 19 	2 x 45			C0068729						
	violet									
DS 24 	45			C0068536						
	70		C0068232	C0068234	C0068235	C0068236	C0068237			
	150 violet					C0068537				
	45			C0069534	C0069535					
	70			C0069234	C0069235	C0069236	C0069237			
	90 undyed				C0069240	C0069232				
DS 24 	4 x 45 8 x 45				C0088953 M0088192					
	violet	take off								
DS 30 	70				C0068246	C0068247	C0068248	C0068249	C0068245	
	70				C0069246	C0069247	C0069248	C0069244		
	90 undyed						C0069148			
										
DS 35 	70				C0068255	C0068256	C0068257	C0068258	C0068259	
	70 violet									
	undyed				C0069255	C0069256				
DS 39 	70						C0068282	C0068283		
	90						C0068239	C0068240		
	70 violet									
	undyed						C0069252	C0069253		
DS 45 	70									
	70 violet						C0068379			
										
DS 48 	70								C0068453	
	70 violet									
	undyed									C0069282

















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 reverse cutting needle									
 FS 25	70 violet				C0068398				
	70 undyed			C0069614	C0069622				
Straight reverse cutting needle									
 GS 13	45 violet			C0068211					
 2xGS 13	45 violet			C0068920					
 GS 45	45 undyed			C0069512	C0069515	C0069516			
	70 violet				C0068272	C0068274	C0068275		
 GS 51	70 violet				C0068272	C0068274	C0068275		
	70 undyed			C0069271	C0069272	C0069273	C0069274		
 2xGS 51	45 violet						C0068933		
 GS 51 + HR 13	45 violet			C0068760					
 GS 60f	70 undyed				C0069266				
 GS 60	45 violet			C0068264	C0068465	C0068265	C0068266		
	45 undyed			C0069280	C0069465	C0069265	C0069267		
	70 undyed								
 GS 75	70 violet						G0068923	G0068924	
1/2 circle reverse cutting needle with precision point									
 HSMP 7	45 undyed	C0069604							
 2xHSMP 7	35 undyed	C0069981							

## Needle-thread combination

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)	2 (5)	
1/2 circle reverse cutting needle with precision point										
 <b>HSMP 9</b> 	45 undyed	C0069611	C0069591	G0069593						
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)	0 (3.5)	
 <b>2xHSMP 9</b> 	35 45 violet	C0068673		C0068758						
 <b>HSMP 12</b> 	45 undyed			C0069606	G0069632	G0069633				
 <b>HSMP 15</b> 	45 undyed				G0069635	C0069636				
3/8 circle reverse cutting needle with precision point										
 <b>2xDSMP 6</b> 	45 violet		G0068850							
 <b>DSMP 7</b> 	45 undyed			C0069700						
 <b>2xDSMP 7</b> 	70 violet		C0068407							
 <b>DSMP 11</b> 	45 undyed			C0069601						
 <b>2xDSMP 11</b> 	45 violet			C0068708						
 <b>DSMP 13f</b> 	45 undyed			C0069709						
 <b>DSMP 11</b> 	45 70 violet		C0068684	C0068685 C0068688						
 <b>2xDSMP 11</b> 	45 undyed			C0069607	C0069608					
 <b>DSMP 13f</b> 	45 undyed			C0068726						
<b>DSMP 13f</b> 	45 undyed			C0069807						
<b>DSMP 13f</b> 	45 undyed			C0069617						

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)	0 (3.5)
3/8 circle reverse cutting needle with precision point									
<b>DSMP 13</b> 	45			C0068622	C0068623	C0068624			
	70 violet				C0068723				
	45 undyed			C0069618	C0069619	C0069620			
	<b>2xDSMP 13</b> 	45 violet				C0068162			
45 undyed					C0069715	C0069716			
<b>DSMP 16</b> 	45 70 violet			C0068530	C0068538 C0068782	C0068531 C0068783	C0068529 C0068784		
	45 70 undyed			C0069526	C0069525 C0069325	C0069524 C0069326	C0069599 C0069327		
	<b>DSMP 19</b> 	45 70 violet			C0068626 C0068528	C0068630 C0068823	C0068631 C0068824		
		45 70 undyed			C0069628 C0069528	C0069629 C0069529	C0069630 C0069530	C0069531	
	<b>DSMP 24</b> 	45 70 violet					C0068025 C0068864	C0068022 C0068865	
		45 70 90 undyed				C0069655 C0069555	C0069656 C0069556 C0069572	C0069657 C0069554	
	<b>DSMP 30</b> 	70 violet					C0068669	C0068670	C0068671
		70 undyed					C0069544	C0069560	
	<b>DSMP 35</b> 	70 violet						C0068690	
		<b>DSMP 39</b> 	70 violet					C0068659	C0068660
	70 undyed						C0069659	C0069660	
Progressive curved reverse cutting needle with precision point									
	<b>PSMP 16</b> 	45 undyed				C0069602	C0069600	C0069100	

## 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)	2 (5)
Pre-cut sutures									
3 threads of 45 cm	3 x 45 violet	C0058622	C0058623	C0058624	C0058625	C0058626	C0058627	C0058629	C0058630
6 threads of 45 cm	6 x 45 violet		C0058643	C0058644	C0058645	C0058646	B0058647	B0058649	B0058650
12 threads of 45 cm	12 x 45 violet			C0058664	C0058665	C0058666	B0058667	B0058669	B0058670
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
5 threads of 70 cm	5 x 70 violet			C0058444	C0058445	C0058446	C0058447	B0058449	B0058450
4 threads of 90 cm	4 x 90 violet					C0058064	C0058065		
5 threads of 90 cm	5 x 90 violet				C0058455	C0058456	C0058457		
1 thread of 140 cm	1 x 140 violet		C0058203	C0058204	C0058205	C0058207	C0058208	C0058209	C0058210
1 thread of 150 cm	1 x 150 violet			B0058704	B0058705	B0058706	B0058707	B0058709	B0058708
3 threads of 45 cm	3 x 45 undyed		C0059623	C0059624	C0059625	C0059626	C0059627	C0059629	C0059630
6 threads of 45 cm	6 x 45 undyed		C0059643	C0059644	C0059645	C0059646	B0059647	B0059649	B0059650
12 threads of 45 cm	12 x 45 undyed			C0059664	C0059665	C0059666	B0059667	B0059669	B0059670
2 threads of 70 cm	2 x 70 undyed			C0059404	C0059405	C0059406	C0059407	C0059409	C0059410
5 threads of 70 cm	5 x 70 undyed			C0059444	C0059445	C0059446	C0059447	B0059449	B0059450
1 thread of 140 cm	1 x 140 undyed		C0059616	C0059204	C0059205	C0059207	C0059208	C0059209	C0059210
Ligature reels									
1 thread of 250 cm	1 x 250 violet				G0058715	G0058716	G0058717	G0058719	G0058720
1 thread of 250 cm	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
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# Monosyn<sup>®</sup> Quick

## Absorbable Sutures

### Description

Monosyn<sup>®</sup> 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<sup>®</sup> Quick offers excellent handling properties and high knot security. Monosyn<sup>®</sup> Quick is recommended for all soft tissue with a fast healing process.

### Indication

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



### Advantages

- Short-term absorption profile
- High knot pull tensile strength
- Handling features











## Monosyn<sup>®</sup> Quick

### Product overview

Structure	Monofilament
Colour	Undyed
Chemical composition	Glyconate (72 % glycolide, 14 % trimethylene carbonate, 14 % $\epsilon$ -caprolactone)
Coating	Uncoated
Origin	Synthetic
Sizes	USP 6/0 (metric 0.7) to USP 1 (metric 4)
Type of degradation	By hydrolysis
Mass absorption	56 days
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										
Easyslide HR 13 	45	C0025193	C0025194	C0025195						
	70 undyed	C0025206	C0025207							
Easyslide HR 17 	45	C0025216	C0025225							
	70 undyed	C0025219	C0025051	C0025052	C0025053					
Easyslide HR 22 	45				C0025160					
	70 undyed			C0025245	C0025246	C0025247				
Easyslide HR 26 	70									
	undyed			C0025057	C0025058	C0025059	C0025060			
Easyslide HR 26 + FR 26 	70									
	undyed					C0025385				
Easyslide HR 26s 	70									
	undyed					C0025361	C0025165			
Easyslide HR 30 	70									
	undyed					C0025294	C0025295	C0025296		
Easyslide HR 37s 	70									
	90 undyed				C0025064	C0025065	C0025066	C0025067		
					C0025070	C0025071	C0025072	C0025073		
Easyslide 2xHR 37s 	90									
	undyed						C0025189	C0025188		
Easyslide HR 40s 	70									
	90 undyed				C0025080	C0025076	C0025077	C0025078		
							C0025082	C0025083		






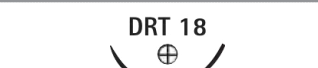

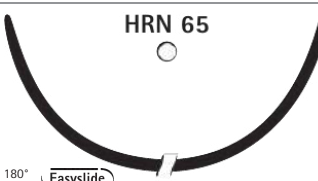

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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





















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)
<b>1/2 circle round bodied needle</b>									
 HR 43 Easyslide	70 undyed							C0025176	
 HR 43s Easyslide	70 90 undyed							C0025175 C0025370	
 HR 48 Easyslide	90 undyed						C0025086	C0025087	C0025088
 HR 65 Easyslide	90 undyed						B0025261		
<b>5/8 circle round bodied needle</b>									
 FR 26 Easyslide	70 undyed				C0025046	C0025047			
 FR 36 Easyslide	70 undyed					C0025118	C0025119		
 FR 40 Easyslide	70 undyed						C0025108		
<b>Straight round bodied needle</b>									
 GR 19 Easyslide	45 undyed		C0025114	C0025115					
<b>1/2 circle round bodied needle with trocar point</b>									
 HRT 17 Easyslide	70 undyed		C0025152						

# 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 with trocar point										
 HRT 37 ⊕ Easyslide	90 120 undyed					C0025091 C0025096	C0025092	C0025093		
 HRT 37s ⊕ Easyslide	70 undyed					C0025103				
 HRT 43 ⊕ Easyslide	90 undyed						C0025284	C0025285		
 HRT 48 ⊕ Easyslide	70 90 undyed						C0025173 C0025275			
3/8 circle round bodied needle with trocar point										
 DRT 12 ⊕ Easyslide	45 undyed	C0025235								
 DRT 18 ⊕ Easyslide	45 70 undyed		C0025236	C0025313	C0025314					
1/2 circle round bodied needle with blunt point										
 HRN 35 ○ Easyslide	70 undyed						C0025177			
 HRN 65 ○ 180° Easyslide	70 undyed						B0025139			
1/2 circle reverse cutting needle										
 HS 15 ▼ Easyslide	45 undyed		C0025143							

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)
1/2 circle reverse cutting needle									
 HS 18 	70 undyed				C0025379				
 HS 23 	45 undyed			C0025388	C0025389				
 HS 37 	70 undyed						C0025174		
 HS 37s 	90 undyed					C0025265	C0025266		
 2xHS 37s 	70 undyed					C0025109			
 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	C0025005	C0025001 C0025006	C0025002 C0025007	C0025003 C0025008	C0025009			
 DS 24 	45 70 undyed			C0025011	C0025351 C0025012	C0025352 C0025013	C0025342		
 DS 30 	70 undyed				C0025014	C0025015	C0025107		

# 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)	
Straight reverse cutting needle										
 <b>GS 51</b> 	70 undyed			C0025180	C0025181	C0025182	C0025172			
 <b>GS 60</b> 	70 undyed				C0025186					
1/2 circle reverse cutting needle with precision point										
 <b>HSMP 15</b> 	45 undyed			C0025101						
3/8 circle reverse cutting needle with precision point										
 <b>DSMP 11</b> 	45 70 undyed	C0025020 C0025110	C0025021 C0025112							
 <b>DSMP 13</b> 	45 70 undyed	C0025023 C0025111	C0025024 C0025113	C0025025 C0025337						
 <b>DSMP 16</b> 	45 70 undyed	C0025027	C0025028	C0025029 C0025130	C0025030					
 <b>DSMP 19</b> 	45 70 undyed		C0025031	C0025032 C0025036	C0025033 C0025037	C0025038				
 <b>DSMP 24</b> 	45 70 undyed			C0025039 C0025042	C0025040 C0025043	C0025044				

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									
1 thread of 45 cm	1 x 45 undyed						C0021004		
1 thread of 150 cm	1 x 150 undyed			C0025320	C0025317	B0025322			



# Monosyn®

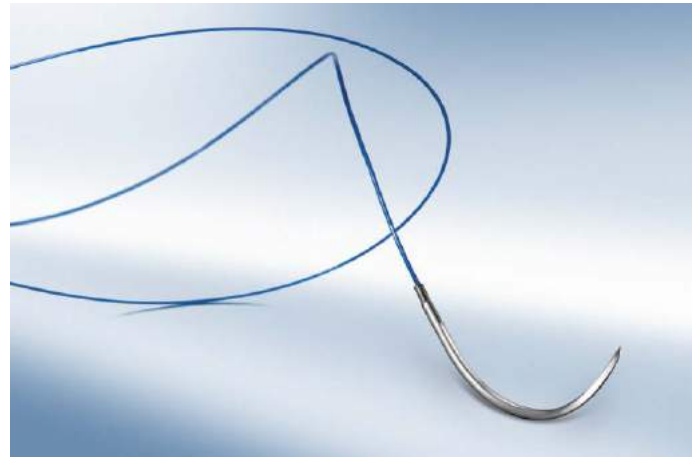
## Absorbable Sutures

### Description

Monosyn® is a mid-term absorbable synthetic monofilament suture made of glyconate, available in undyed color for the closure of superficial wounds and in violet color for the rest of indications. Monosyn® offers excellent handling properties and high knot security.

### Indication

- Gastrointestinal surgery
- Gynaecology and Obstetrics
- Urology
- Skin closure (intracutaneous, subcutaneous)
- Paediatrics
- Ligatures



### 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 % $\epsilon$ -caprolactone)
Coating	Uncoated
Origin	Synthetic
Sizes	USP 7/0 (metric 0.5) to USP 2 (metric 5)
Type of degradation	By hydrolysis
Mass absorption	60 to 90 days
Sterilisation	Ethylene oxide

## Needle-thread combination

Needle	Thread	USP (metric)									
		length mm	length cm	7/0	6/0	5/0	4/0	3/0	2/0	0	1
		mm	colour	(0.5)	(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)
1/2 circle round bodied needle											
 HR 10 	70 violet				C0022123						
 HR 13ff 	45 violet				C0022885						
 HR 13 	45 4 x 45 70 violet	C0022132		C0022019 C0022007	C0022008	C0022009					
	70 undyed			C0023007	C0023008	C0023009					
 HR 13b 	70 violet				C0022301						
 2xHR 13 	70 violet				C0022801	C0022800					
 HR 17 	70 90 violet				C0022002	C0022003	C0022004 C0022811	C0022005			
	70 undyed					C0023003	C0023004	C0023005	C0023006		
 HR 17b 	70 violet					C0022616	C0022688	C0022689			
 HR 17 	4 x 45 8 x 45 4 x 70 violet	take off					C0022501 M0022938	C0022502 M0022939			
						C0022160					
 HR 17b 	8 x 45 violet	take off							M0022622		
 2xHR 17 	70 violet					C0022803	C0022804	C0022805			
 2xHR 17b 	70 violet					C0022623	C0022626				





























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)
1/2 circle round bodied needle									
	30								
	45		C0022412	C0022413		C0022017	C0022018		
	70			C0022013		C0022014	C0022015	C0022016	
	120						C0022519	C0022520	
	violet								
	70				C0023014	C0023015	C0023016		
	8 x 45					M0022148			
	70				C0022659	C0022660	C0022661		
	4 x 45					C0022510	C0022511	C0022512	
	8 x 45					M0022695	M0022696		
	4 x 70					C0022061			
	8 x 45					M0022627	M0022628		
	4 x 70					C0022064			
	70					C0022814	C0022815		
	90					C0022914	C0022915		
	90						C0023915		
	undyed								
	70					C0022632	C0022639		
	90					C0022638			
	violet								
	30						C0022022	C0022023	
	70					C0022024	C0022025	C0022026	C0022027
	violet								
Needle length mm	Thread length cm colour	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
	70							C0022028	
	90	C0022423	C0022422	C0022425	C0022426				
	120			C0022424	C0022525				
	violet								
	70		C0023024	C0023025	C0023026				
	undyed								
	8 x 45								
	70		C0022643	M0022153	C0022357	C0022358			
	violet								


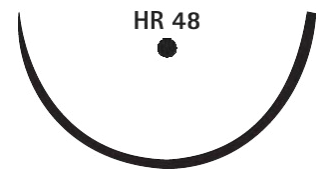
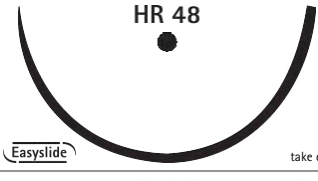

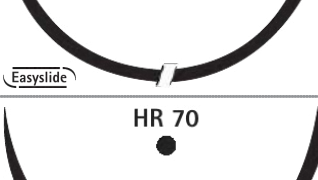
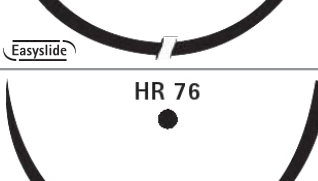


## Needle-thread combination

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 26 Easyslide take off	4 x 45 8 x 45 4 x 70 violet		C0022521 M0022260 C0022571	C0022522 M0022261 C0022572	C0022523					
 HR 26b Easytrack take off	8 x 45 8 x 70 violet			M0022645 M0022646						
 2xHR 26 Easyslide	20 70 90 violet		C0022823 C0022824	C0022835 C0022825	C0022296 C0022836 C0022826					
 2xHR 26b Easytrack	70 90 violet			C0022649 C0022650	C0022654					
 HR 26 + FR 26 Easyslide	90 violet				C0022218					
 HR 26s Easyslide	70 90 violet		C0022084	C0022085 C0022485	C0022086 C0022486	C0022087 C0022487	C0022088 C0022488	C0022089		
 HR 30 Easyslide	70 90 violet 70 undyed		C0022034	C0022035	C0022036 C0022496	C0022037 C0022497	C0022038			
 HR 30 Easyslide take off	4 x 45 violet			C0022585						
 2xHR 30 Easyslide	70 90 violet			C0022435 C0022535	C0022436 C0022536					
 HR 30s Easyslide	70 violet					C0022041	C0022042			

























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)								
		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										
 Easyslide	4 x 45 violet					B0022547				
 Easyslide	70 90 violet		C0022044	C0022045 C0022445	C0022046 C0022446	C0022047 C0022447	C0022048 C0022448	C0022049		
	70 undyed			C0023001		C0023045				
 Easyslide	4 x 45 8 x 45 violet				C0022542	B0022543 M0022597				
 Easyslide	70 90 violet			C0022055 C0022451	C0022056 C0022456	C0022057 C0022457	C0022058 C0022458			
	70 90 120 undyed			C0023094 C0023930	C0023456	C0023081		B0023470		
 Easyslide	4 x 70 undyed				C0023546					
 Easyslide	70 90 violet				C0022066 C0022466	C0022067 C0022467	C0022068 C0022468	C0022069 C0022469		
 Easyslide	4 x 45 8 x 45 violet					B0022548 M0022767				
 Easyslide	70 violet					C0022694				























## 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 43s Easyslide	70										
	90 violet							C0022693		C0022692	
 HR 48 Easyslide	90										
	120						C0022076	C0022077	C0022078	C0022079	
	140 150 violet							B0022292	B0022578 B0022290		
 HR 48 Easyslide take off	70										
	120 undyed							B0023479	C0023061 B0023478		
 HR 48 Easyslide take off	4 x 45 violet								B0022554		
 HR 60 Easyslide	90 violet								B0022490		
 HR 65 Easyslide	90 violet						B0022492				
 HR 70 Easyslide	70 violet								B0022760		
 HR 76 Easyslide	90 150 violet								B0022493	B0022494	

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)							
		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 round bodied needle									
 <b>2xDR 8</b> 	45 violet	C0022582							
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)
 <b>2xDR 10</b> 	90 violet	C0022829							
 <b>DR 12</b> 	70 90 violet	C0022095	C0022096 C0022721						
 <b>2xDR 12</b> 	70 90 violet	C0022854	C0022830						
 <b>DR 18</b> 	70 violet		C0022093	C0022094					
 <b>DR 18</b> 	30 violet loop				C0022783				
 <b>2xDR 18</b> 	70 violet	C0022775							
 <b>DR 22</b> 	30 70 120 violet			C0022110 C0022129	C0022100 C0022112	C0022098 C0022113			
 <b>DR 26</b> 	70 120 violet				C0022117 C0022121	C0022118			
 <b>2xDR 26</b> 	70 violet				C0022790				
 <b>DR 32</b> 	70 violet			C0022111	C0022101	C0022106	C0022125	C0022126	
 <b>2xDR 32</b> 	70 violet					C0022863			

## Needle-thread combination










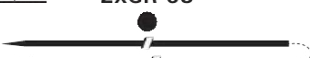














Needle	Thread	USP (metric)									
		length mm	length cm	6/0	5/0	4/0	3/0	2/0	0	1	2
		mm	colour	(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)	(5)
5/8 circle round bodied needle											
 FR 13 	90 violet				C0022606	C0022607					
 FR 17 	90 violet				C0022610	C0022611					
 FR 22 	90 violet				C0022614	C0022615					
 FR 26 	70 90 violet					C0022618	C0022619	C0022620 C0022625	C0022621		
	70 undyed						C0023622	C0023620			
 2xFR 26 	45 70 90 violet					C0022734	C0022735 C0022727	C0022741 C0022736 C0022740			
 FR 26 	120 violet						C0022592				
 FR 36 	70 violet						C0022635	C0022636	C0022637		
	70 undyed								C0023618		
 2xFR 36 	90 violet						C0022729	C0022730	C0022731		
 FR 36 + FR 26 	90 violet							C0022151			
 FR 40 	70 90 violet							C0022629	C0022630 C0022670		
Ski Needle round bodied needle											
 SKR 19 	120 violet						C0022714				

C Box of 36 units









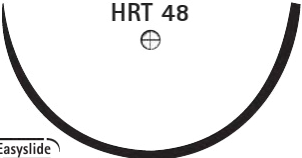

B Box of 24 units

G Box of 12 units

M Box of 6 units





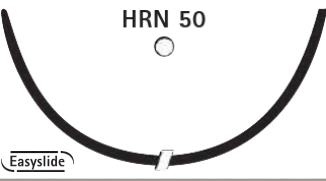




Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Ski Needle round bodied needle									
 SKR 26 	30 120 violet				C0022715 C0022717	C0022716 C0022718			
Progressive curved round bodied needle									
 PR 13b 	45 violet		C0022655						
Straight round bodied needle									
 GR 19 	30 violet			C0022410	C0022406				
 GR 65 	90 violet				C0022679				
 2xGR 65 	70 violet					C0022575			
1/2 circle round bodied needle with short cutting point									
 HRC 13b 	70 violet		C0022934						
 HRC 17b 	70 violet			C0022943					
3/8 circle round bodied needle with short cutting point									
 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 	45 70 violet	C0022312 C0022310	C0022311						
 HRT 17 	70 violet	C0022322	C0022323	C0022324	C0022325	C0022326			

## Needle-thread combination

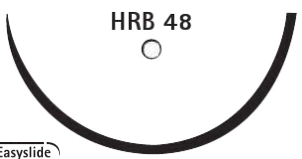
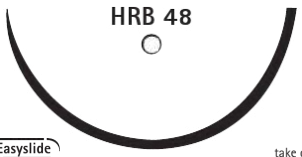







Needle	Thread	USP (metric)									
		length mm	length cm	6/0	5/0	4/0	3/0	2/0	0	1	2
	colour	mm	colour	(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)	(5)
1/2 circle round bodied needle with trocar point											
	70 violet					C0022724	C0022725				
	70 90 violet					C0022330 C0022430	C0022331 C0022431				
	70 90 violet					C0022304	C0022305	C0022306	C0022307 C0022507	C0022308 C0022508	
	70 violet					C0022404	C0022405				
	70 violet						C0022335	C0022336	C0022337	C0022338	
	70 violet						C0022440	C0022441			
	70 90 violet 90 undyed						C0022315 C0022314	C0022316 C0022516	C0022317 C0022517	C0022318 C0022518	
	90 violet								C0022527	C0022528	
	90 150 violet								C0022332	C0022333 B0022334	
3/8 circle round bodied needle with trocar point											
	70 violet				C0022343	C0022344					

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)	
3/8 circle round bodied needle with trocar point										
 DRT 22 Easyslide	70 violet			C0022354	C0022355					
 DRT 26 Easyslide	70 violet				C0022365	C0022366				
 DRT 32 Easyslide	70 violet					C0022376	C0022377	C0022378		
1/2 circle round bodied needle with blunt point										
 HRN 35 Easyslide	70 90 violet					C0022283	C0022284 C0022439			
 HRN 50 Easyslide	90 violet							C0022453		
	90 undyed						C0023450			
3/8 circle round bodied needle with blunt point										
 DRN 64 Easyslide	90 violet								B0022400	
1/2 circle round bodied needle with protection point										
 HRB 26 Easyslide	8 x 45 violet take off				M0022871					
 HRB 37s Easyslide	90 violet						C0022707	C0022708		
 HRB 37s Easyslide	8 x 45 violet take off					M0022287	M0022890	M0022891		

















## 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										
 HRB 48 Easyslide	90 violet							C0022666	C0022667	
 HRB 48 Easyslide take off	8 x 45 violet							M0022880	M0022881	
1/2 circle reverse cutting needle										
 HS 18 Easyslide	70 violet			C0022234						
	70 undyed		C0023263	C0023264						
 2xHS 18 Easyslide	30 undyed			C0023674						
 HS 23 Easyslide	70 undyed			C0023224	C0023225	C0023226				
 HS 26 Easyslide	70 90 violet				C0022236	C0022237 C0022299				
	70 undyed				C0023239	C0023240				
 HS 26s Easyslide	70 violet				C0022241	C0022242	C0022243			
	70 undyed						C0023229	C0023230		
 HS 30 Easyslide	70 violet						C0022244			
	70 undyed						C0023250	C0023251		
 HS 37 Easyslide	70 90 violet				C0022371	G0023236				
	70 undyed				C0023235	C0023236	C0023237	C0023238		

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)
1/2 circle reverse cutting needle									
 HS 37s 	70					C0022247	C0022248	C0022249	
	90 violet					C0022461	C0022477		
 HS 37s + HR 37s 	140				C0023931				
	undyed								
 HS 37ss 	70					C0022256			
	violet								
Needle length mm	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)
 HS 40 	90 violet					C0022269			
	90 undyed			C0023247	C0023248				
 HS 48 	90 violet					C0022279			
	90 undyed			C0023259	C0023258				
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	C0022102	C0022103	C0022104					
	70 violet	C0022109	C0022210						
	45	C0023102	C0023103						
	70 undyed	C0023412	C0023413	C0023414					

## 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										
 <b>DS 16</b> 	45 70 violet		C0022419	C0022420 C0022220	C0022421					
	45 70 undyed	C0023562	C0023563 C0023423	C0023303 C0023424	C0023425					
 <b>DS 19</b> 	45 70 90 violet		C0022503	C0022504 C0022204 C0022904	C0022505 C0022205 C0022905	C0022239				
	45 70 undyed		C0023503 C0023403	C0023204 C0023404	C0023205 C0023405	C0023506 C0023406				
 <b>DS 24</b> 	45 70 90 violet			C0022214	C0022115 C0022215 C0022225	C0022216 C0022226	C0022217			
	45 70 90 undyed			C0023114 C0023214	C0023115 C0023215 C0023210	C0023116 C0023216	C0023181	C0023182		
 <b>DS 30</b> 	70 90 violet					C0022231	C0022232 C0022349	C0022233		
	45 70 undyed			C0023207	C0023435	C0023201 C0023436	C0023437			
 <b>DS 39</b> 	70 undyed					C0023191				
5/8 circle reverse cutting needle										
 <b>FS 25</b> 	70 undyed				C0023220					
Straight reverse cutting needle										
 <b>GS 13</b> 	45 undyed			C0023131						
 <b>GS 51</b> 	70 undyed			C0023279	C0023280	C0023281				

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 reverse cutting needle									
 <b>GS 60</b> 	70 violet				C0022062				
	70 undyed			C0023284	C0023285	C0023286			
1/2 circle reverse cutting needle with precision point									
 <b>HSMP 9</b> 	45 undyed	C0023651		C0023608					
 <b>HSMP 15</b> 	45 undyed			C0023615					
3/8 circle reverse cutting needle with precision point									
 <b>DSMP 7</b> 	45 violet	C0022647	C0022648						
	45 undyed	C0023647							
 <b>DSMP 11</b> 	45 violet	C0022644	C0022601	C0022602					
	45 undyed	C0023641	C0023642	C0023643					
 <b>DSMP 13</b> 	45 violet	C0022608	C0022432	C0022433	C0022434				
	45 undyed	C0023601	C0023602	C0023603	C0023604	C0023605			
 <b>2xDSMP 13</b> 	45 undyed			C0023156					
 <b>DSMP 16</b> 	45 violet			C0022563	C0022163				
	70 violet			C0023613	C0023614				
	45 undyed			C0023162	C0023163				

## 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)
3/8 circle reverse cutting needle with precision point									
 <b>DSMP 19</b>	45				C0022444				
	70 violet				C0022141				
 <b>DSMP 24</b>	45			C0023623	C0023624	C0023625			
	70 undyed				C0023627	C0023628			
 <b>DSMP 24s</b>	70 violet					C0022685			
	45				C0023634	C0023633	C0023637		
 <b>DSMP 24s</b>	70 undyed				C0023632	C0023635	C0023636		
	70 undyed					C0023638			

	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 violet	C0020003	C0020004	C0020005	C0020006	C0020007	C0020008		
6 threads of 45 cm	6 x 45 violet		C0020014	C0020015	C0020016	B0020017	B0020018		
5 threads of 70 cm	5 x 70 violet		C0020024	C0020025	C0020026	C0020027	B0020028		
1 thread of 140 cm	1 x 140 violet			C0020035	C0020036	C0020037	C0020038		
6 threads of 45 cm	6 x 45 undyed				C0023811	B0023810	B0023809		
Ligature reels									
1 thread of 250 cm	1 x 250 violet				G0020046	G0020047	G0020048		
1 thread of 250 cm	1 x 250 undyed				G0021246	G0021247			





# 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.

### Indication

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



### Advantages

- High knot tensile strength
- Outstanding strength retention for extended wound support
- 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 (metric 0.5) to USP 2 (metric 5)

Type of degradation

By hydrolysis

Mass absorption

























180 up to 210 days

Sterilisation

Ethylene oxide

# 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)
1/4 circle lancet needle with micro-point									
 <b>2xVLM 8</b> 	30 violet		C0024975						
1/2 circle round bodied needle									
 <b>2xHR 6</b> 	70 violet	C0024005							
 <b>2xHR 10</b> 	70 violet		C0024843						
 <b>2xHR 13ff</b> 	70 violet		C0024846	C0024847					
 <b>HR 13</b> 	45 70 4 x 70 90 violet		C0024902 C0024002	C0024903 C0024003 C0024807 C0024001	C0024904 C0024004				
 <b>HR 13</b> 	take off 4 x 70 violet			C0024705					
 <b>2xHR 13</b> 	70 violet		C0024602	C0024603		C0024604			
 <b>2xHR 13b</b> 	70 violet				C0024505				
 <b>HR 13ss</b> 	70 violet					C0024205	C0024206	C0024207	
 <b>HR 17</b> 	45 70 90 violet		C0024012	C0024013	C0024889 C0024014 C0024424	C0024015			
 <b>HR 17b</b> 	70 4 x 70 violet			C0024515 C0024516	C0024521				
 <b>HR 17</b> 	take off 4 x 70 violet			C0024009					

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	7/0	6/0	5/0	4/0	3/0	2/0	0	1
		mm	cm	(0.5)	(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)
1/2 circle round bodied needle											
 <b>2xHR 17</b> 	70 90 violet					C0024613 C0024443	C0024614 C0024444				
 <b>HR 17s</b> 	70 violet							C0024129	C0024131	C0024132	
 <b>HR 20</b> 	70 violet						C0024679	C0024680			
 <b>HR 22</b> 	70 4 x 70 violet					C0024133	C0024134 C0024707	C0024135	C0024136		
 <b>HR 22b</b> 	70 4 x 70 violet						C0024522 C0024526	C0024530			
 <b>HR 22</b> 	4 x 45 8 x 45 4 x 70 violet						C0024764 M0024381 C0024708	C0024765 M0024684			
	take off										
 <b>2xHR 22</b> 	70 90 violet						C0024634 C0024238	C0024635 C0024239			
 <b>2xHR 22b</b> 	75 violet						C0024531				
 <b>HR 22s</b> 	70 violet							C0024145	C0024146	C0024147	
 <b>2xHR 22s</b> 	70 violet								C0024164		
 <b>HR 26</b> 	70 4 x 70 90 violet					C0024433	C0024024 C0024717 C0024434	C0024025 C0024435	C0024026 C0024436	C0024027	
 <b>HR 26b</b> 	4 x 45 70 violet						C0024547	C0024550 C0024548	C0024551		

# 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 26 Easyslide	4 x 45				C0024774	C0024775	C0024776		
	8 x 45				M0024869	M0024698	M0024871		
	4 x 70				C0024724	C0024725	B0024726		
	8 x 70				M0024961	M0024962			
take off	violet								
 HR 26 Easyslide	150							C0024953	
	violet								
 2xHR 26 Easyslide	70				C0024624	C0024625	C0024626		
	90				C0024437	C0024438	C0024441		
	120					C0024620			
	violet								
 HR 26s Easyslide	70					C0024085	C0024086	C0024087	C0024088
	90						C0024143		C0024080
violet									
 HR 26ss Easyslide	70							C0024264	
	violet								
 HR 30 Easyslide	70				C0024034	C0024035	C0024036	C0024037	C0024038
	90				C0024439	C0024440			
violet									
 2xHR 30 Easyslide	90					C0024945			
	violet								
 HR 37 Easyslide	70				C0024044	C0024045	C0024046		
	90							C0024447	C0024448
violet									
 HR 37 Easyslide	8 x 45							M0024792	
	violet								

C Box of 36 units

B Box of 24 units






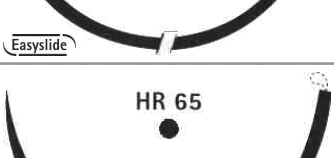

G Box of 12 units

M Box of 6 units

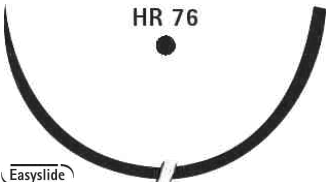

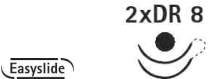
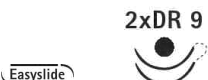
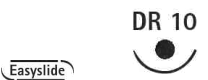

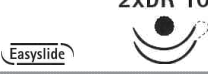
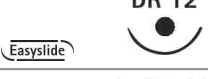
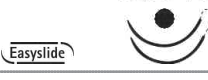


Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle									
 2xHR 37 Easyslide	70 90 violet				C0024644	C0024639	C0024646		
 HR 37s Easyslide	70 90 violet					C0024055 C0024450	C0024056	C0024057 C0024452	C0024058 C0024453
 HR 37s Easyslide take off	4 x 45 8 x 45 violet						M0024948	B0024925 M0024949	B0024912 M0024950
 HR 40 Easyslide	70 90 violet					C0024040	C0024062	C0024069 C0024457	C0024458
 HR 40s Easyslide	70 90 violet						C0024066 C0024466	C0024067 C0024467	C0024068 C0024468
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)
 HR 40s Easyslide	90 150 violet						C0024563	C0024564	B0024469
 HR 40s Easyslide take off	8 x 45 violet						M0024959		
 HR 40s Easyslide loop	150 240 violet						C0024567	B0024568 B0024113	

# 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										
 <p>HR 43s</p> <p>Easyslide</p>	90 violet							C0024401	C0024402	
 <p>HR 48</p> <p>Easyslide</p>	70 90 150 violet				C0024589	C0024063 C0024075		B0024077 B0024089	C0024078	C0024079
 <p>HR 48</p> <p>Easyslide</p> <p>take off</p>	4 x 45 8 x 45 violet							M0024759	B0024918 M0024760	
 <p>HR 48</p> <p>Easyslide</p> <p>loop</p>	150 180 240 violet							C0024090	B0024091 B0024397 B0024398	
 <p>HR 65</p> <p>Easyslide</p>	2 x 70 140 violet								B0024097 B0024500	
 <p>HR 65</p> <p>Easyslide</p> <p>loop</p>	120 150 240 250 violet							B0024094	B0024339 B0024130 B0024107 B0024100	
 <p>HR 70</p> <p>Easyslide</p>	70 violet									B0024858

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 76 Easyslide	70 violet								B0024099
 HR 76 Easyslide loop	150 violet								B0024098
3/8 circle round bodied needle									
 2xDR 8 Easyslide	45 violet	C0024714							
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)
 2xDR 9 Easyslide	70 violet	C0024693	C0024694						
 DR 10 Easyslide	45 70 violet	C0024981 C0024501							
 DR 10b Easyblack	70 violet	C0024010							
 2xDR 10 Easyslide	45 70 violet	C0024801	C0024982 C0024802						
 DR 12 Easyslide	45 70 violet	C0024911	C0024512	C0024513	C0024514				
 2xDR 12 Easyslide	70 violet		C0024812	C0024813	C0024814				
 DR 13b Easyblack	70 violet			C0024008					
 2xDR 13b Easyblack	70 violet			C0024224					

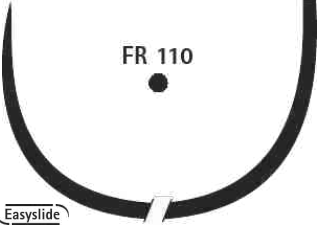
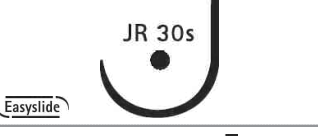

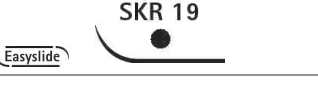
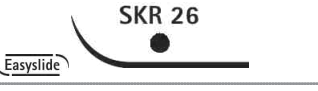


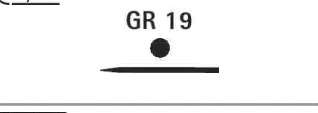
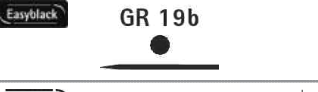

# MonoPlus®

## 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)
3/8 circle round bodied needle									
 DR 15 	70 violet			C0024523	C0024524	C0024525			
 2xDR 15 	70 violet			C0024823	C0024824	C0024825			
 DR 18 	70 violet		C0024532	C0024533	C0024534	C0024528			
 DR 18b 	70 violet		C0024609	C0024610	C0024611				
 DR 18 	40 violet loop					C0024529			
 2xDR 18 	70 violet			C0024833	C0024834				
 DR 22 	70 violet				C0024537	C0024527			
 2xDR 22 	70 violet				C0024837				
 DR 26 	70 violet						C0024989		
5/8 circle round bodied needle									
 FR 26 	70 violet					C0024571		C0024092	C0024111
 2xFR 26 	70 90 violet					C0024835	C0024836 C0024936	C0024937	
 FR 26s 	70 violet								C0024110
 2xFR 36 	90 violet						C0024780		














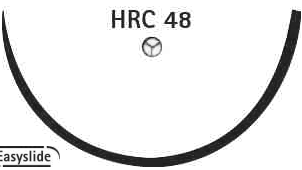




C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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





















Needle length mm	Thread length cm colour	USP (metric)								
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	
5/8 circle round bodied needle										
 FR 110 Easyslide	90 violet									G0024506
Hook round bodied needle										
 JR 30s Easyslide	45 120 violet				C0024169		C0024770 C0024170			
 JR 36ss Easyslide	70 violet				C0024126					
Ski Needle round bodied needle										
 SKR 19 Easyslide	120 violet			C0024657						
 SKR 26 Easyslide	30 120 violet		C0024651 C0024649	C0024661	C0024662 C0024664					
 SKR 26b Easyblack	20 violet		C0024570	C0024572						
 SKR 26 Easyslide	40 violet		C0024650	C0024606						
Straight round bodied needle										
 GR 19 Easyslide	30 35 120 violet		C0024247 C0024250 C0024254	C0024245 C0024253						
 GR 19b Easyblack	20 violet		C0024573	C0024574						
 GR 19 Easyslide	40 violet		C0024240	C0024241						

# MonoPlus®

## 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)	
Straight round bodied needle										
 <b>2xGR 19</b> 	45 violet		C0024984	C0024985						
 <b>2xGR 65</b> 	70 violet			C0024895	C0024896	C0024897	C0024898			
1/2 circle round bodied needle with short cutting point										
 <b>2xHRC 17</b> 	90 violet		C0024011							
 <b>HRC 26</b> 	70 violet		C0024498							
 <b>HRC 40s</b> 	150 violet					C0024738	B0024739			
 <b>HRC 43s</b> 	150 violet						B0024267			
 <b>HRC 48</b> 	90 violet						C0024261			
 <b>HRC 48</b> 	150 200 violet					C0024749	B0024750 B0024278			
3/8 circle round bodied needle with short cutting point										
 <b>2xDRC 8</b> 	70 violet	C0024213								

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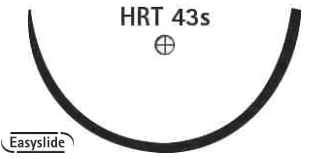

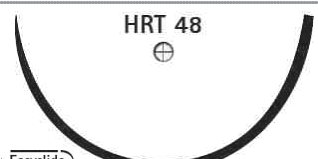
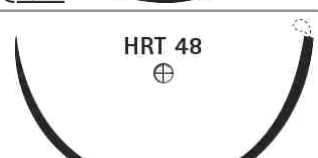



Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
3/8 circle round bodied needle with short cutting point									
 <b>DRC 10</b> 	70 violet	C0024221	C0024222						
 <b>2xDRC 10</b> 	70 violet	C0024721	C0024722						
 <b>DRC 12</b> 	70 violet		C0024232	C0024233					
 <b>2xDRC 12</b> 	70 violet		C0024732	C0024733					
 <b>DRC 18</b> 	70 violet			C0024243					
Hook round bodied needle with short cutting point									
 <b>JRC 30s</b> 	70 violet							C0024168	C0024928
 <b>2xJRC 30s</b> 	45 violet							C0024171	
Progressive curved round bodied needle with short cutting point									
 <b>PRC 24</b> 	120 violet						C0024850		
1/2 circle round bodied needle with trocar point									
 <b>2xHRT 13</b> 	70 violet				C0024282				
 <b>HRT 17</b> 	70 violet			C0024283	C0024284	C0024285	C0024286		
 <b>HRT 22</b> 	70 violet				C0024294	C0024295			

# MonoPlus®

## Needle-thread combination


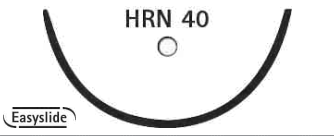

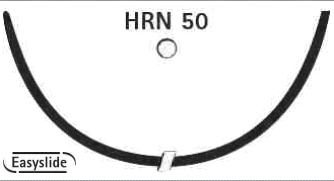

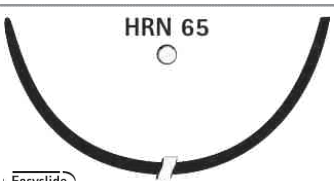


Needle length mm	Thread length cm colour	USP (metric)								
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	
1/2 circle round bodied needle with trocar point										
 HRT 26 ⊕ <small>Easyslide</small>	70 violet					C0024304	C0024305	C0024306	C0024307	
 2xHRT 26 ⊕ <small>Easyslide</small>	70 90 violet						C0024605 C0024601			
 HRT 30 ⊕ <small>Easyslide</small>	70 violet							C0024311		
 HRT 37 ⊕ <small>Easyslide</small>	70 90 violet							C0024316	C0024517	C0024518
 HRT 37s ⊕ <small>Easyslide</small>	70 90 violet							C0024321	C0024322	C0024818 C0024323
 HRT 40 ⊕ <small>Easyslide</small>	90 violet								C0024543	
 HRT 40s ⊕ <small>Easyslide</small>	90 violet								C0024545	C0024546
 HRT 40s ⊕ <small>Easyslide</small> loop	150 240 violet								C0024342	B0024343 B0024327
 HRT 43s ⊕ <small>Easyslide</small>	90 violet								C0024352	C0024353

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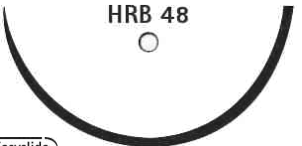






Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with trocar point									
	90 violet								C0024354
	150 violet							B0024347	
	90 violet						C0024332	C0024333	
	150 180 200 violet						B0024394 B0024395	B0024393 B0024396 B0024392	B0024391
5/8 circle round bodied needle with trocar point									
	150 violet						B0024096	B0024390	
1/2 circle round bodied needle with blunt point									
	70 violet				C0024050				
	90 violet						C0024404		

# MonoPlus®

## Needle-thread combination









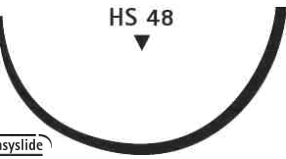
Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
1/2 circle round bodied needle with blunt point										
 <p><b>HRN 35</b> take off</p>	8 x 45 violet							M0024052		
 <p><b>HRN 40</b></p>	90 violet							G0024409		
 <p><b>HRN 45</b></p>	90 violet								C0024406	
 <p><b>HRN 50</b></p>	90 violet							C0024411	C0024408	
 <p><b>HRN 50</b> loop</p>	150 200 violet							B0024357 B0024368	B0024358	
 <p><b>HRN 65</b></p>	140 violet							B0024416		
1/2 circle round bodied needle with protection point										
 <p><b>HRB 26</b> take off</p>	8 x 45 violet					M0024796				
 <p><b>HRB 37s</b></p>	90 violet							C0024462	C0024711	

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)
1/2 circle round bodied needle with protection point									
 HRB 37s take off	8 x 45 violet						M0024864	M0024865	M0024866
 HRB 40s take off	8 x 45 violet						M0024556	M0024557	
 HRB 48	90 violet						C0024881	C0024877	
 HRB 48 take off	8 x 45 violet						M0024875	M0024876	
 HRB 65	90 violet						B0024235		
 HRN 65 loop	150 violet							B0024153	
1/2 circle reverse cutting needle									
 HS 15	70 violet		C0024179						
 HS 18	70 violet			C0024730					
 HS 23	70 violet				C0024190	C0024180			

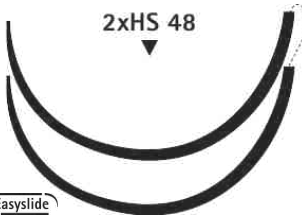










# MonoPlus®

## 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										
 HS 23ss <small>Easyslide</small>	70 violet									C0024108
 HS 26s <small>Easyslide</small>	70 violet				C0024185	C0024186	C0024187	C0024188		
 HS 30 <small>Easyslide</small>	70 violet					C0024184	C0024195			
 HS 37 <small>Easyslide</small>	90 violet					C0024104	C0024105	C0024106		
 HS 37s <small>Easyslide</small>	70 90 violet				C0024191	C0024156 C0024114	C0024157 C0024115	C0024158 C0024116		
 HS 40 <small>Easyslide</small>	90 violet						C0024117	C0024118	C0024119	
 HS 40s <small>Easyslide</small>	70 90 violet					C0024121	C0024122			C0024560
 HS 40s <small>Easyslide</small> loop	150 violet					C0024966				
 HS 48 <small>Easyslide</small>	70 90 violet						C0024127	C0024202 C0024128		

















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)
1/2 circle reverse cutting needle									
 2xHS 48 Easyslide	90 violet								C0024630
3/8 circle reverse cutting needle									
 DS 12 Easyslide	45 violet			C0024193					
 DS 16 Easyslide	45 70 violet		C0024535	C0024906 C0024539					
 DS 19 Easyslide	45 70 violet		C0024081 C0024175	C0024909 C0024536	C0024102 C0024519				
 2xDS 19 Easyslide	30 violet			C0024361					
 DS 24 Easyslide	45 70 violet			C0024541	C0024101 C0024520	C0024990			
 DS 30 Easyslide	70 violet				C0024991	C0024992	C0024598		
 DS 39 Easyslide	90 violet							C0024538	
 2xDS 39 Easyslide	45 violet					C0024976			
Straight reverse cutting needle									
 2xGS 45 Easyslide	45 violet			C0024994	C0024995				
 GS 60 Easyslide	70 violet			C0024540	C0024189	B0024987			

# 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)	
Straight reverse cutting needle										
 <b>2xGS 60</b> 	70 violet				C0024861					
1/2 circle reverse cutting needle with precision point										
 <b>HSMP 9</b> 	45 violet			C0024926						
 <b>HSMP 15</b> 	45 violet			C0024921						
3/8 circle reverse cutting needle with precision point										
 <b>DSMP 11</b> 	45 violet	C0024176	C0024177							
 <b>DSMP 13</b> 	45 violet	C0024407	C0024916	C0024908						
 <b>DSMP 16</b> 	45 violet		C0024194	C0024970						
 <b>DSMP 19</b> 	45 70 violet		C0024901	C0024907	C0024109 C0024151	C0024965				
 <b>DSMP 24</b> 	45 70 violet			C0024910 C0024983	C0024103 C0024986	C0024112 C0024988				

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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	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									
2 threads of 70 cm	2 x 70 violet				C0044200	C0044205			
1 thread of 90 cm	1 x 90 violet				C0044198				



# Monomax<sup>®</sup>

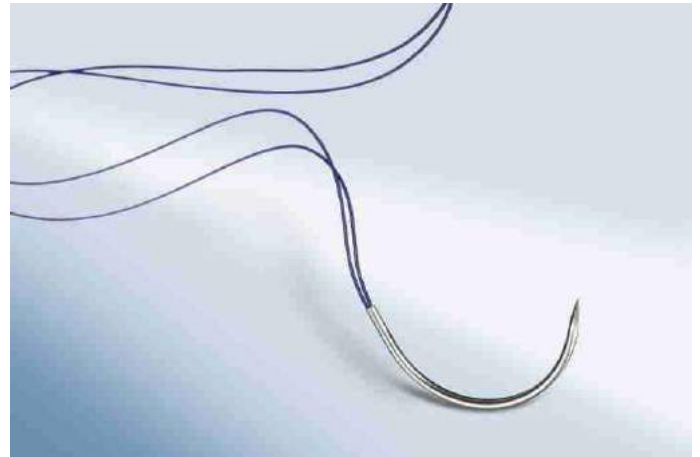
## Absorbable Sutures

### Description

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

### Indication

- Closure of the abdominal wall



### Advantages

- Outstanding degradation profile for abdominal wall closure
- "Shock-Z" – unique extra elasticity
- Unique handling features
- Good adaptation to wound edges

# Monomax<sup>®</sup>

## Product overview

Structure

Monofilament



Colour

Violet

Chemical composition

Poly-4 hydroxybutyrate

Coating

Uncoated

Origin

Synthetic

Sizes

USP 2/0 (metric 3) to USP 1 (metric 4)

Type of degradation





















By hydrolysis and enzymatic reaction

Sterilisation






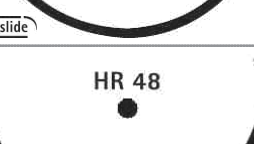

Ethylene oxide

# Monomax®

## Needle-thread combination




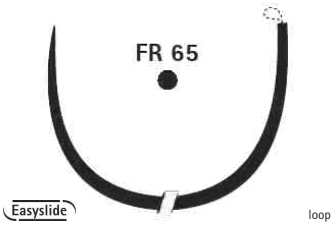




Needle length mm	Thread length cm colour	USP (metric)							
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)
1/2 circle round bodied needle									
 HR 17 	70 violet			B0041425					
 HR 22 	70 violet			B0041415	B0041416				
 HR 26 	70 90 150 violet			B0041249 B0041258 B0041444	B0041250 B0041441				
 HR 26s 	150 violet				B0041442				
 HR 30 	70 90 150 violet			B0041267 B0041278 B0041453	B0041269 B0041280 B0041455				
 HR 37 	70 90 violet			B0041015	B0041024	B0041025			
 HR 37  loop	150 violet				B0041038				
 HR 37s 	70 90 150 violet			B0041034	B0041035 B0041046 B0041043	B0041036 B0041047			
 HR 40 	70 90 violet			B0041057	B0041066	B0041067			
 HR 40s 	70 90 violet			B0041086	B0041087 B0041097	B0041088 B0041098			

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)	4 (6)
1/2 circle round bodied needle									
 <p>HR 40s</p> <p>Easyslide</p> <p>loop</p>	150 200 violet				B0041076	B0041077 B0041079			
 <p>HR 43</p> <p>Easyslide</p>	70 violet				B0041298				
 <p>HR 43</p> <p>Easyslide</p> <p>loop</p>	150 violet					B0041307			
 <p>HR 43s</p> <p>Easyslide</p>	90 violet				B0041107	B0041108			
 <p>HR 48</p> <p>Easyslide</p>	70 90 violet			B0041128	B0041137	B0041138			
 <p>HR 48</p> <p>Easyslide</p> <p>loop</p>	150 200 violet			B0041117	B0041118	B9941119 B9941325			
 <p>HR 65</p> <p>Easyslide</p> <p>loop</p>	150 violet				B0041147	B0041148			








# Monomax®

## 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)	4 (6)
<b>1/2 circle round bodied needle</b>									
 HR 76 Easyslide loop	150 violet						B0041157		
<b>5/8 circle round bodied needle</b>									
 FR 26 Easyslide	70 violet			B0041887	B0041888	B0041889			
 FR 40 Easyslide loop	70 90 violet					B0041571 B0041573			
 FR 65 Easyslide loop	150 violet					B0041001			
<b>Hook round bodied needle with short cutting point</b>									
 JRC 30s Easyslide	70 violet					B0041560			
<b>1/2 circle round bodied needle with trocar point</b>									
 HRT 26 Easyslide	70 150 violet			B0041175 B0041463	B0041176				
 HRT 30 Easyslide	150 violet			B0041472					
 HRT 40 Easyslide	70 90 violet				B0041343 B0041352	B0041344			

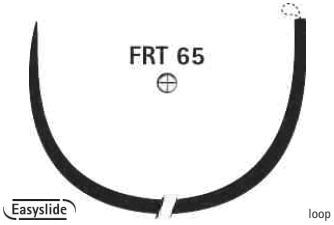

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm	Thread length cm colour	USP (metric)							
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)
1/2 circle round bodied needle with trocar point									
 HRT 40s Easyslide	90 violet					B0041194			
 HRT 40s Easyslide loop	150 violet				B0041184	B0041185			
 HRT 43 Easyslide	70 90 violet				B0041369 B0041378				
 HRT 43s Easyslide	90 violet					B0041212			
 HRT 43s Easyslide loop	150 violet					B0041203			
 HRT 48 Easyslide	70 90 violet				B0041240	B0041396 B0041241			
 HRT 48 Easyslide loop	120 150 180 200 violet				B0041221 B0041433	B0041310 B9941222 B0041434 B9941231			

# Monomax<sup>®</sup>

## 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)	4 (6)
5/8 circle round bodied needle with trocar point									
 <p><b>FRT 65</b></p>	150 violet				B0041005	B0041006			
1/2 circle round bodied needle with blunt point									
 <p><b>HRN 50</b></p>	150 violet					B0041166			

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units





# Non-absorbable sutures

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Optilene®

---

Premilene®

---

PremiCron®

---

Dafilon®

---

Trelon®

---

Supramid

---

Dagrofil®

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Virgin silk / Silkam®

---

Steelex®

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Linatrix®

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# Non-absorbable sutures

Colour and article coding for easy box content identification





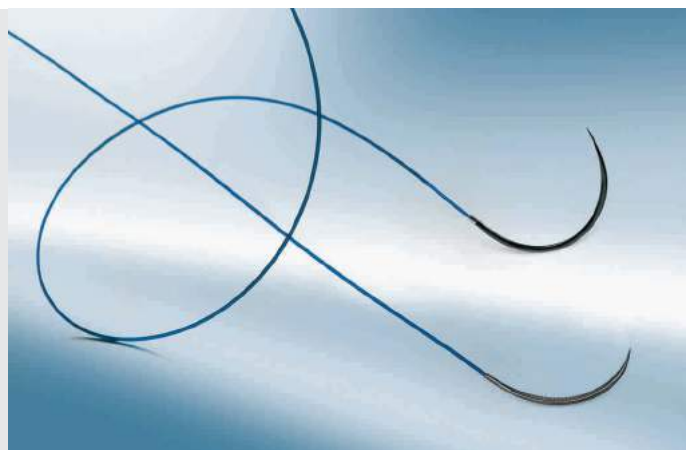


# Optilene®

## Non-absorbable sutures

### Description

Optilene® is a sterile non-absorbable monofilament surgical suture made of polypropylene and polyethylene. Available in blue for a better visibility. Optilene® is offered with RacePack® and LongPack® packaging presentations to reduce the memory effect. Also there are some special presentations that includes Premipatch® PTFE pledgets on it.



### Indication

- Cardiovascular surgery
- Neurosurgery
- Ophthalmology
- Microsurgery
- General soft tissue approximation

### Advantages



- Top level consistent tensile strength
- Excellent surface and smoothness
- Controlled knot run down
- Small tissue drag; Reengineered elasticity
- Controlled suture elongation
- Increased pliability
- Good handling and knot tightness
- Improved thread visibility
- Low memory effect
- CV Pass and CV Pass EasyBlack needles

## Optilene®





























### Product overview

Structure	Monofilament
Colour	Blue
Chemical composition	Polypropylene and polyethylene
Coating	Uncoated
Origin	Synthetic
Sizes	USP 10/0 (0.2 metric) to USP 0 (3.5 metric)
Type of degradation	Non-absorbable
Sterilisation	Ethylene oxide



















# Optilene®

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)
1/2 circle round bodied needle								
2xHR 6 		45 blue		C3090803				
		60 blue	G3090016					
2xHR 8 		2 x 60 blue			G3095865	G3095866		
2xHR 10f 		2 x 75 blue			G3095858			
HR 10 		60 75 blue		C3090401	C3095498 C3090402	C3090403		
		60 75 blue		C3090867	C3090868	C3090866 C3090869		
2xHR 10 		2 x 60 2 x 75 blue			G3095878	G3090770		
		75 blue			C3095341	C3095346		
2xHR 13f 		45 75 blue			C3095120 C3095123	C3095124		
HR 13 		2 x 75 4 x 75 blue			G3095127	G3095128 G3095126		
		75 blue			C3090499	C3090500		
2xHR 13 		2 x 75 blue				G3095095		
		45 60 75 90 blue		C3090060	C3090853 C3090953	C3090839 C3090934 C3090954	C3090933 C3090750	
2xHR 13b 		2 x 60 2 x 75 blue			G3090625	G3090146	G3095010	
		75 blue			C3095448	C3095449		

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)
1/2 circle round bodied needle								
	 75 blue				C3095501			
	 2 x 90 blue				G3095521			
 	 75 blue				C3090012	C3090013	C3090014	
 	 loop 90 blue					C3090413		
	 75 90 120 blue			C3090898	C3090501 C3090901	C3090503 C3090902 C3090904	C3090502 C3090903	C3090900
	  90 blue					C3090837		
	  75 blue					C3095318		
	  90 blue					C3095327		
	  2 x 75 2 x 90 4 x 90 blue					G3090642 G3095868	G3090194	G3095183 G3090644
	 	 75 90 120 blue				C3095460 C3095492	C3095461 C3095493	C3095494 C3095994
 	 90 blue					C3090338	C3090426	
 	 75 90 blue					C3095503 C3095526		

# Optilene®

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)	
1/2 circle round bodied needle									
 HR 22	 75 blue					C3090029	C3090030		
	  Pledgets 3x3mm Firm	20 blue						C3090994	
	  Pledgets 3x3mm Soft	20 blue						C3095412	
 2xHR 22	 60 75 90 120 blue				C3090084 C3090975	C3090863 C3090976 C3090876	C3090860 C3090977	C3090086 C3090978 C3095276	
	  Pledgets 6x3mm Firm	90 blue					C3090979		
	  Pledgets 3x3mm Soft	40 blue						C3095387	
	  Pledgets 6x3mm Soft	90 blue					C3095336		
	 Long pack 2 x 75 2 x 90 blue						G3095620	G3095616	
	 75 90 blue						C3095512	C3095508 C3095513	
 HR 26	 75 blue				C3090039	C3090040	C3090041	C3090042	

C Box of 36 units


























B Box of 24 units

G Box of 12 units

























M Box of 6 units

















# Optilene®

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										
 <b>DR 6</b> 		45 blue	C3090110							
		45 60 75 blue	C3090880 C3090712 C3090980	C3095286	C3095110					
 <b>2xDR 6</b> 		2 x 45 2 x 60 blue	G3095841 G3090357							
		 <b>2xDR 6b</b> 		45 60 75 blue	C3095857 C3095835 C3095834					
 <b>2xDR 8f</b> 				45 60 blue	C3090107 C3090105	C3090079 C3090088				
				 <b>2xDR 8fb</b> 		2 x 45 2 x 60 2 x 75 blue	G3090118 G3090121 G3090130	G3090124 G3090127 G3090130		
		 <b>DR 8b</b> 	 175µ			45 blue	G3095824 C3095829	C3095826 C3095832		
 <b>2xDR 8b</b> 						13 45 blue	G3096100 G3096117			
					 175µ	60 75 blue	C3096129 C3096143	C3096121 C3096141		
						60 2 x 60 75 blue	G3096119 G3096106 G3096138			

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									
<b>2xDR 8</b> 		12		C3095870					
		45		C3090685	C3090686	C3090684			
		60	C3090887	C3090888	C3090889				
		75	C3090004	C3090885	C3090886				
		blue							
		2 x 45	G3090361	G3090362	G3090399				
		2 x 60	G3090363	G3090364					
		75		G3090089					
		2 x 75	G3090892	G3095080					
		blue							
<b>2xDR 8b</b> 		45	C3095805						
		60	C3095817	C3095819	C3095821				
		75	C3095822	C3095823	C3090599				
		blue							
		75		C3095084	C3095431				
		blue							
<b>DR 10f</b> 		45	C3090126	C3090134	C3095565				
		60	C3090128	C3090135	C3095477				
		75	C3090131	C3090136	C3095430				
		90			C3095576				
		blue							
				75			C3095433		
				blue					
		75			C3095308				
		blue							
		2 x 45		G3090218					
		2 x 60		G3095485	G3095801				
		2 x 75	G3090216	G3095429					
		blue							
<b>2xDR 10fb</b> 		60		C3095764					
		75		C3095838					
		75		G3096167	G3096169				
		blue							
<b>DR 10b</b> 		200µ							
		blue							
		2 x 75		G3096109					
		blue							

# Optilene®

Needle		Thread	USP (metric)						
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)
3/8 circle round bodied needle									
<b>2xDR 10b</b> 	 200µ	60		C3096125	C3096123				
		75		C3096145	C3096148				
		2 x 45		G3096101					
		60		G3096137					
		2 x 60			G3096104				
		75			G3096151				
 <b>DR 10</b> 		2 x 75		G3096108					
		75		C3090541	C3090542				
		45		C3090614	C3090615				
		60		C3090714	C3090715	C3090522			
		75		C3090914	C3090915	C3090913			
		90		C3090799	C3090815				
 <b>2xDR 10</b> 	 Pledgets 3x3mm Soft	75			C3095306				
		2 x 45			G3090636				
		4 x 45		G3090369					
		2 x 60		G3090611	G3090613				
		4 x 60		G3090371					
		2 x 75		G3095810	G3095811				
		4 x 75		G3090373					
		blue							
 <b>2xDR 10b</b> 		45		C3090164					
		60		C3090062	C3095816				
		75		C3095812	C3095843				
		blue							
 <b>DR 13</b> 		75			C3095930	C3095931	C3095932		
		90				C3095022			
		blue							















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)	
3/8 circle round bodied needle									
 2xDR 13	  Pledgets 6x3mm Firm	45		C3095885	C3095886	C3095887			
		60		C3095894	C3095895	C3095896			
		75		C3095905	C3095906	C3095907	C3095908		
		90			C3095938	C3095939	C3095940		
		120 blue					C3095658		
	  Long pack	75 blue				C3096173			
		2 x 45			G3095957				
		2 x 60			G3095970				
		75			G3095472				
		2 x 75 blue			G3095979	G3095980			
  	60			C3095926					
	75			C3090191	C3090547				
	90			C3095839	C3095840				
	120 blue					C3095997			
  	75			C3095026					
	90 blue				C3095021				
	2 x 60		G3095012		G3095016				
	2 x 75 2 x 90 blue			G3095011	G3095009				
  	90 blue				C3090716	C3090717			
	   Pledgets 3x3mm Firm	75 blue				C3090119	C3090120	C3095057	
20 blue						C3090990			





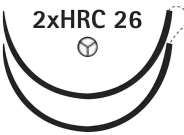



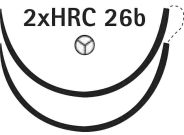















# Optilene®

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)
<b>3/8 circle round bodied needle</b>								
 2xDR 18	 Pledgets 6x3mm Firm	60				C3095918		
		75				C3090719	C3090720	
		90 blue				C3090919	C3090920	C3095921
	 Pledgets 6x3mm Soft	90 blue					C3095215	
		75 90 blue					C3095312 C3095316	
		 4 x 75 2 x 90 blue				G3090394 G3095659	G3090659	
								
 2xDR 18b		120 blue				C3095656		
								
 DR 22	 Pledgets 3x3mm Firm	75 90 blue				C3090085 C3090123		
								
	 Pledgets 3x3mm Soft	20 blue					C3090991	C3090992
		20 blue						C3095396
 2xDR 22		75 90 blue				C3090722 C3090822	C3090723 C3090823	
								
 DR 26	 Pledgets 3x3mm Firm	20 blue					C3090993	
								
 Pledgets 3x3mm Soft	20 blue						C3095398	
								
 2xDR 26		75 blue					C3090724	C3090725
								
<b>1/2 circle round bodied needle with short cutting point</b>								
 2xHRC 10		60 75 blue				C3095495 C3095205		
								
	 2 x 60 blue			G3095793	G3095794			
								

























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)		
1/2 circle round bodied needle with short cutting point										
<b>2xHRC 13</b> 		75			C3095039	C3090303				
		90 blue			C3095020					
		2 x 60			G3090195					
		2 x 75 blue			G3095313	G3095043	G3095047			
<b>HRC 17</b> 		75				C3090560	C3090561	C3090579		
<b>2xHRC 17</b> 		75				C3090695	C3090704	C3090711		
		90				C3090570	C3090571	C3090800	C3095052	
		120 blue							C3095668	
		 Pledgets 6x3mm Soft	90					C3095367		
 Pledgets 6x3mm Firm	90					C3095368				
		2 x 90 blue				G3095168	G3095169	G3095182		
<b>2xHRC 17b</b> 		75				C3095569	C3095570			
		90 blue				C3095580	C3095581			
<b>HRC 22</b> 		75					C3090565	C3090566	C3095572	
<b>2xHRC 22</b> 		75				C3095059				
		90 blue					C3090580	C3090581		
		2 x 90 blue					G3095162			
<b>2xHRC 22b</b> 		75						C3095574		
		90 blue					C3095592		C3095593	
<b>HRC 26</b> 		75						C3090473	C3090474	



































# Optilene®

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 short cutting point								
  <b>HRC 26</b>		75						C3095796
		90				C3095787		
		blue						
  <b>2xHRC 26</b>	  Pledgets 6x3mm Soft	75		C3090806		C3090808		
		90			C3090811	C3090812	C3095825	C3095779
		120			C3095771	C3090820	C3095140	
		blue						
  <b>2xHRC 26b</b>	  Long back	90				C3095377		
		2 x 75			G3095759			
		2 x 90				G3095760	G3095761	
  <b>2xHRC 27</b>	  Pledgets 6x3mm Soft	2 x 120				G3095820		
		blue						
  <b>2xHRC 27b</b>		75						
		90						C3095670
blue								
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 with short cutting point								
  <b>2xDRC 6</b>		45	C3095209	C3095219				
		60	C3095246	C3095251				
		75	C3095272	C3095288				
		blue						
  <b>DRC 8b</b>		75		C3095813				
		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)						
		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 with short cutting point								
2xDRC 8 		45	C3095211	C3095231	C3090172			
		60		C3095046				
		75	C3090169	C3090176				
		2 x 60 2 x 75 blue	G3095178 G3090168	G3095179				
2xDRC 8b 		75		C3095768				
DRC 10 		75		C3090538	C3090539			
2xDRC 10 		45	C3090116	C3090548	C3090553	C3090930		
		60		C3090544	C3090543			
		75		C3090545	C3090546			
		90						
2xDRC 10b 		2 x 60 75 2 x 75 blue		G3090179 G3095180 G3095560	G3090202 G3095561			
		60	C3095462	C3090577 C3090516	C3090578			
DRC 13 		75			C3095144			
2xDRC 13 		45		C3095244	C3095173	C3095141 C3095171	C3096165	
		60		C3095268	C3095271			
		75		C3095301	C3095175			
		90		C3095303	C3095305			
2xDRC 13b 		2 x 45 2 x 75 blue			G3095174 G3095176	G3095177	G3095181	
		75			C3095836	C3095315 C3095311		
2xDRC 13s 		75				C3095334		












# Optilene®

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)
<b>3/8 circle round bodied needle with short cutting point</b>								
 <b>2xDRC 15</b> 	 75 90 blue				C3095756 C3090728			
 <b>DRC 18</b> 	 75 blue				C3095164	C3095165	C3095166	
 <b>DRC 18</b> 	 30 blue					C3095456		
 <b>2xDRC 18</b> 	 75 90 blue				C3095194 C3090525	C3095195 C3090526		
	 2 x 90 blue					G3095222		
 <b>2xDRC 18b</b> 	 90 blue				C3095438			
 <b>2xDRC 22</b> 	 90 blue					C3090535	C3090536	
 <b>2xDRC 26</b> 	90 120 blue						C3095633 C3095632	C3095636 C3095612
								
<b>Progressive curved round bodied needle with short cutting point</b>								
 <b>2xPRC 10</b> 	 2 x 75 blue		G3095053					
 <b>PRC 13</b> 	 75 blue			C3095096				
 <b>2xPRC 13</b> 	75 90 blue			C3095097 C3095100	C3095103			
								
 <b>PRC 24</b> 	 120 blue							C3095150


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	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 needle with taper point (vascular)

 <b>2xDRmV 8b</b> 	 140µ	2 x 45	G3095551							
		60	G3095050							
		2 x 60	G3095051							
		75	G3095060							
 <b>DRmV 13b</b> 	 380µ	75			G3095077	G3095079				
		90			G3095076	G3095078				
		blue								
 <b>2xDRmV 13b</b> 	 320µ	60			G3095201					
		90				G3095746				
	 320µ	2 x 60			G3095269					
		75			G3095133	G3095135				
	 380µ	2 x 75			G3095234					
		90			G3095132	G3095134				
		2 x 90			G3095224	G3095225				

Progressive curved round bodied needle with taper point (vascular)


 <b>2xPRmV 10b</b> 	 200µ	60			G3095155				
		75			G3090671	G3090670			
		2 x 75			G3095154	G3095158			
 blue									

1/2 circle round bodied needle micro needle

 <b>HRm 6</b>	180°	 200µ	30		G3090740	G3090741			
			blue						
 <b>2xHRm 6</b>	180°	 200µ	45		G3090742	G3090743			
			blue						

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 circle round bodied needle micro needle

 <b>DRm 4</b>	135°	70µ	10	G3090781						
			blue							

# Optilene®







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)	
<b>3/8 circle round bodied needle micro needle</b>											
<b>DRm 5</b> 			15 blue	G3090782							
	135°	100µ									
<b>2xDRm 5</b> 			45 blue		G3090482						
	135°	100µ									
<b>DRm 6</b> 			15 45 blue		G3090783						
	135°	140µ				G3090883					
<b>2xDRm 6</b> 			45 60 blue			G3090780 G3090609					
	135°	140µ									
<b>Progressive curved round bodied needle micro needle</b>											
<b>PRm 5</b> 			13 blue		G3090662						
	100°/ 90°	100µ									
<b>3/8 circle round bodied needle with short cutting point (vas)</b>											
<b>2xDRCmV 10b</b> 		 200µ	75 blue					G3095685	G3095672		
											
<b>Progressive curved round bodied needle with short cutting point (vas)</b>											
<b>2xPRCmV 10b</b> 		 200µ	75 blue					G3090669	G3090668		
											
<b>3/8 circle round bodied needle with short cutting point (mic)</b>											
<b>2xDRCm 6</b> 		 140µ	75 45 60 blue				G3095277 G3090814 G3090702				
											
<b>2xDRCm 8</b> 		 140µ	45 60 75 blue				G3095216 G3095249 G3095284				
											
<b>DRCm 10b</b> 		 200µ	75 blue						G3090768		
	135°										
<b>2xDRCm 10b</b> 		 200µ	75 blue					G3090694	G3090693		
	135°										

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	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 needle with short cutting point (mic)										
<b>PRCm 5</b> 	100°/ 90°	100µ	13 60 blue	G3095677	G3090664					
<b>2xPRCm 6</b> 	100°/ 95°	 140µ	60 blue			G3090698				
<b>PRCm 10b</b> 	95°/90°	 200µ	75 blue				G3095765			
1/2 circle lancet micro needle										
<b>HLm 6</b> 	160°	150µ	10 blue	G3090873						
<b>2xHLm 6</b> 	160°	150µ	30 blue	G3090775						
3/8 circle lancet micro needle										
<b>2xDLm 5</b> 	140°	150µ	30 blue	G3090589						
<b>DLm 6</b> 	140°	150µ	15 blue	G3090590						
<b>2xDLm 6</b> 	140°	150µ	15 30 blue	G3095548 G3090591		G3090638				
<b>DLm 6s</b> 	137°	200µ	15 blue	G3090593	G3090594	G3090595				
<b>2xDLm 6s</b> 	137°	200µ	15 30 blue	G3090596	G3090846 G3090597					
1/8 circle lancet micro needle										
<b>SLm 6</b> 	44°	150µ	8 blue	G3090777	G3090778					
Straight lancet micro needle										
<b>GLm 16</b> 		150µ	23 blue	G3095068	G3095705					
<b>2xGLm 16</b> 		150µ	23 blue	G3095480	G3095481					

# Optilene®

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)
1/4 circle lancet needle with micro-point								
<b>2xVLM 8</b>   	30 blue					G3090316	G3095390	
1/8 circle lancet needle with micro-point								
<b>2xSLm 6</b>   	30 blue						C3095129	

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

## Non-absorbable sutures

### Description

Premilene® is a non-absorbable synthetic monofilament suture made of polypropylene, available in blue to enhance visibility. Premilene® is offered with RacePack® and LongPack® packaging presentations to reduce the memory effect. Also there are some special presentations that includes Premipatch® PTFE pledgets on it.



### Indication

- Vascular surgery
- Cardiac surgery
- Plastic and reconstructive surgery
- Skin closure (intra, sub, skin)
- Neurosurgery
- Microsurgery
- Gastrointestinal surgery

### Advantages






















- Smooth passage through tissue
- Excellent knot run down and security
- Little acute inflammatory reaction in tissues
- Unsurpassed strength
- High 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 (metric 0.2) to USP 2 (metric 5)
Type of degradation	Non-absorbable
Sterilisation	Ethylene oxide






















# Premilene®

Needle		Thread	USP (metric)							
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)
3/8 circle round bodied needle with taper point (vascular)										
 <b>2xDRmV 6b</b> 	 140µ	75 blue				G2095086				
		45				G0095030				
		2 x 45				G0095031				
		60				G0095040				
 <b>2xDRmV 8b</b> 	 140µ	2 x 60 blue				G0095041				
		2 x 45				G0095551				
		60				G0095050				
		2 x 60				G0095051				
 <b>DRmV 10b</b> 	 200µ	75 blue				G2095976	G2095469			
		2 x 75 blue				G0095986				
 <b>2xDRmV 10b</b> 	 200µ	45				G2095093	G2095104			
		60				G2095094				
		75				G2095139				
		2 x 75 blue				G0095071	G0095108			
 <b>DRmV 13b</b> 	 380µ	90 blue					G0095077	G0095079		
		75						G0095076	G0095078	
		60								
		2 x 75 blue						G2095201		
 <b>2xDRmV 13b</b> 	 380µ	90 blue						G2095746		
		2 x 60						G0095269	G0095270	
		75						G0095133	G0095135	
		2 x 75						G0095234	G0095235	
		90						G0095132	G0095134	
2 x 90 blue						G0095224	G0095225			
Progressive curved round bodied needle with taper point (vascular)										
 <b>2xPRmV 8b</b> 	 200µ	75 blue				G2090861				












































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 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)
Progressive curved round bodied needle with taper point (vascular)									
<b>2xPRmV 10b</b> 	 200µ	45				G2090760			
		60				G2095151	G2095155		
		75				G2095153	G2090670		
		blue							
 Long pack	75				G0095532				
	2 x 75				G0095154	G0095158			
1/2 circle round bodied needle micro needle									
<b>HRm 6</b> 	 200µ	30				G2090740	G2090741		
		30				G0090740	G0090741		
<b>2xHRm 6</b> 	 200µ	45				G2090742	G2090743		
		45				G0090742	G0090743		
3/8 circle round bodied needle micro needle									
<b>DRm 4</b> 	 70µ	10	G0090781						
	135°	blue							
<b>DRm 4s</b> 	 140µ	15			G0095547				
	135°	blue							
<b>DRm 5</b> 	 100µ	15	G0090782						
	135°	23	G0090024						
		blue							
<b>2xDRm 5</b> 	 100µ	5	G0090874						
	135°	45		G0090482					
		blue							
<b>DRm 6</b> 	 140µ	12				C2095307			
		45				G2090883			
		blue							
		15		G0090783					
		45			G0090883				
		blue							



# Premilene®

Needle		Thread		USP (metric)						
length mm	angle	diameter microns	length cm	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)
mm		microns	colour							
3/8 circle round bodied needle micro needle										
2xDRm 6 	135°	 140µ	12							
			45							
			60							
			75							
			blue							
			blue							
DRm 8 	135°	 140µ	15							
			45							
			blue							
			2 x 45							
			2 x 60							
			4 x 60							
2xDRm 8 	135°	 140µ	45							
			60							
			75							
			blue							
			2 x 45							
			4 x 60							
2xDRm 10b 	135°	 200µ	45							
			blue							
DRm 10b 	135°	 200µ	75							
			blue							
2xDRm 10b 	135°	 200µ	45							
			60							
			75							
			blue							
			2 x 45							
			4 x 60							
2xDRm 10b 	135°	 200µ	75							
			blue							
2xDRm 10b 	135°	 200µ	2 x 75							
			blue							
Progressive curved round bodied needle micro needle										
PRm 5 	100°/90°	100µ	13							
			blue							
2xPRm 6 	100°/95°	 140µ	60							
			blue							
3/8 circle round bodied needle with short cutting point (vas)										
DRCmV 10b 		 200µ	75							
			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 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)
3/8 circle round bodied needle with short cutting point (vas)									
 <b>2xDRCmV 10b</b> 	 200µ	75				G2095685	G2095672		
		blue							
 	 	2 x 75				G0095695	G0095692		
		blue							
Progressive curved round bodied needle with short cutting point (vas)									
 <b>PRCmV 10b</b> 	 200µ	75				G2095137			
		blue							
 <b>2xPRCmV 10b</b> 	 200µ	60				G2090647			
		75					G2090669	G2090668	
 	 	2 x 75				G0095109			
		blue							
3/8 circle round bodied needle with short cutting point (mic)									
 <b>2xDRCm 6</b> 	 140µ	75				G2095277			
		45					G2090814		
 	 140µ	60				G2090702			
		blue							
 <b>2xDRCm 8</b> 	 140µ	45				G2095216			
		60					G2095249		
 	 140µ	75				G2095284			
		blue							
 <b>DRCm 10b</b> 	135°	 200µ	75					G2090768	
			blue						
 <b>2xDRCm 10b</b> 	135°	 200µ	45				G2090832		
			60					G2090755	
 	135°	 200µ	75				G2090694	G2090693	
			blue						
Progressive curved round bodied needle with short cutting point (mic)									
 <b>PRCm 5</b> 	100°/90°	100µ	13						
			60	G0095677	G0090664				
 <b>2xPRCm 6</b> 	100°/95°	 140µ	60				G2090698		
			blue						
 	100°/95°	 140µ	60				G0090698		
			blue						

# Premilene®






























Needle			Thread	USP (metric)							
length mm	angle	diameter microns		length cm	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 needle with short cutting point (mic)											
<b>PRCm 10b</b> 		 95°/90° 200µ	75 blue				G2095765				
1/2 circle lancet micro needle											
<b>HLm 6</b> 		160° 150µ	10 blue	G0090873							
<b>2xHLm 6</b> 		160° 150µ	30 blue	G0090775							
3/8 circle lancet micro needle											
<b>2xDLm 5</b> 		140° 150µ	30 blue	G0090589							
<b>DLm 6</b> 		140° 150µ	15 blue	G0090590							
<b>2xDLm 6</b> 		140° 150µ	15 30 blue	G0095548 G0090591		G0090638					
<b>DLm 6s</b> 		137° 200µ	15 blue	G0090593	G0090594	G0090595					
<b>2xDLm 6s</b> 		137° 200µ	15 30 blue	G0090596	G0090846 G0090597						
1/8 circle lancet micro needle											
<b>SLm 6</b> 		44° 150µ	8 blue	G0090777	G0090778						
Straight lancet micro needle											
<b>GLm 16</b> 		150µ	23 blue	G0095068	G0095705						
<b>2xGLm 16</b> 		150µ	23 blue	G0095480	G0095481						
1/4 circle lancet needle with micro-point											
<b>2xVLM 8</b> 			30 blue					G2090316	G2095390		

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)						
		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 lancet needle with micro-point								
 <b>2xSLm 6</b> 	 30 blue							C2095129
1/2 circle round bodied needle								
 <b>HR 6</b> 	 30 blue				C2090603	C2090604		
 <b>2xHR 6</b> 	 45 blue				C2090803	C2090804		
	 60 2 x 75 blue			G0090016	G0095782			
 <b>2xHR 8</b> 	 60 blue					C2090865		
	 2 x 60 blue					G0095865	G0095866	
 <b>HR 10f</b> 	 75 blue					C2095861		
 <b>2xHR 10f</b> 	 2 x 75 blue					G0095858		
 <b>HR 10</b> 	 60 75 blue				C2090401	C2095498 C2090402	C2090403	
	 60 75 blue				C2090488 C2090867	C2090868	C2090866 C2090869	
 <b>2xHR 10</b> 	 2 x 60 2 x 75 blue					G0095878	G0090770	
	 75 blue					C2095341	C2095346	
 <b>HR 13f</b> 	 75 blue						C2095349	




























# Premilene®

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)	
1/2 circle round bodied needle									
 <b>2xHR 13f</b>		45					C2095120	C2095121	
		60						C2095122	
		75					C2095123	C2095124	
		90						C2095792	
		2 x 75					G0095127	G0095128	
		4 x 75					G0095125	G0095126	
 <b>HR 13</b>		75					C2090499	C2090500	
		2 x 75						G0095095	
		75							
		blue							
 <b>2xHR 13</b>		45				C2090036	C2090853	C2090839	C2090933
		60					C2095935	C2090934	
		75					C2090953	C2090954	
		blue							
		45							
		blue							
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)	
 <b>2xHR 13</b>		75			C2090045				
		90			C2090750				
		blue							
		2 x 60		G0090146					
		2 x 75	G0090625		G0095010				
 <b>2xHR 13b</b>		75	C2095448	C2095449					
		blue							
		2 x 75	G0095274	G0095275					
		blue							
 <b>2xHR 17f</b>		75		C2095501					
		90		C2095992					
		blue							
		2 x 90		G0095521					
		blue							
 <b>HR 17</b>		45			C2090038				
		75		C2090012	C2090013	C2090014			
		120				C2090404			
		blue							
		45							
		blue							
 <b>HR 17</b>		90			C2090413				
		blue							
		90							
		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 circle round bodied needle									
 2xHR 17		45		C2090497	C2090496				
		60		C2090486					
		75		C2090501	C2090503	C2090502			
		90	C2090898	C2090901	C2090902	C2090903	C2090900		
		120 blue			C2090904				
	  Pledgets 6x3mm Firm	90 blue			C2090837				
		  Pledgets 3x3mm Soft	75 blue			C2095318			
			90 blue			C2095327			
				2 x 75 90			G0095455	G0095183	
				2 x 90 4 x 90 2 x 120 blue		G0090642 G0095868	G0090194	G0090644	G0095089
 2xHR 17b		75		C2095460	C2095461				
		90		C2095492	C2095493	C2095494	C2095994		
		120 blue							
		2 x 75 2 x 90 blue		G0095281 G0095292	G0095282 G0095293				
			90 blue		C2090223	C2090338	C2090426		
	2 x 90 blue				G0095338				
	 2xHR 20		75			C2095503			
90 blue					C2095526				
		2 x 75 2 x 90 blue			G0095302 G0095348				






























# Premilene®

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								
 HR 22	75			C2090029				
	90			C2090129				
	 blue							
	  Pledgets 3x3mm Firm	20				C2090994		
  Pledgets 3x3mm Soft	20				C2095412			
  2 x 75 blue					G0095615			
 2xHR 22	60		C2090084					
	75			C2090863	C2090860	C2090086		
	90		C2090975	C2090976	C2090977	C2090978		
	120			C2090876		C2095276		
	 blue							
	  Pledgets 6x3mm Firm	90			C2090979			
  Pledgets 3x3mm Soft	40				C2095387			
  Pledgets 6x3mm Soft	90			C2095336				
  2 x 75 2 x 90 blue				G0095620	G0095616			
 2xHR 22b	75			C2095507	C2095508			
	90			C2095512	C2095513			
	 blue							
	 2 x 75 2 x 90 blue			G0095356	G0095357			
  2 x 90 blue			G0095814	G0095815				
  HR 22	75				B0090030			
  4 x 45 blue						G0090078		

























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 circle round bodied needle									
 		45					C2090068		
		75		C2090039	C2090040	C2090041	C2090042	C2090043	
		90		C2090037	C2090140				
		120 blue					C2090444	C2095712	
 	 	20 blue				C2090995			
		 	20 blue				C2095417		
			75		C2090906	C2090707	C2090708	C2090087	
		 	    	90					
90				C2090905	C2090907	C2090908	C2090909		
120					C2095709	C2090709	C2095710		
150 blue						C2095851			
90 blue						C2090910	C2090838		
90 blue						C2095347	C2095392		
 	 	90				G0095711			
		2 x 90			G0090633	G0090631	G0095732		
		120 blue				G0090109			
		75			C2095721		C2095723		
		90			C2095557	C2095558	C2095546		
 	 	120 blue				C2095545	C2095546		
		2 x 75			G0095844	G0095845			
		2 x 90			G0095993	G0095994	G0095828		
		120 blue				G0095827			
 		75				C2090015	C2095442	C2095443	C2095452
		90 blue							C2095458
 		90				C2090911			
		120 blue					C2090959	C2090956	




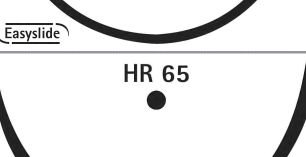
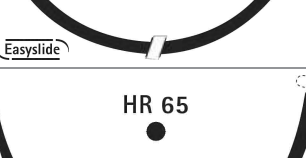
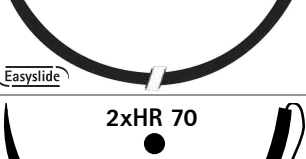
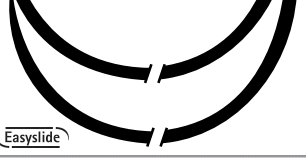
# Premilene®

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										
 HR 26ss 	 	75					C2090032	C2095444	C2090449	
		90								
 HR 30 		4 x 45						G0090073		
		blue								
		45					C2090046	C2090069	C2090048	C2090049
		75					C2090047	C2090047	C2090477	C2090149
		90								
 2xHR 30 		100								
		120								
 HR 30s 		75						C2090092	C2090093	
		100							C2090096	C2090097
 HR 30ss 		75						C2090094		
		blue								
 HR 37 		75					C2090050	C2090051	C2090052	C2090053
		blue								
 2xHR 37 	 	90					C2090942	C2090943	C2095054	
		120				C2095401	C2090981	C2090973		
		blue								
 HR 37s 		2 x 90					G0095727			
		blue								
 HR 37s 		75					C2090150	C2090151	C2090152	C2090153
		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)						
		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 	 75 120 blue			C2090154				C2095340
 2xHR 37s 	 90 120 blue		C2090982 C2090971	C2090941 C2090972				
 HR 37ss 	 75 blue			C2095370				
 HR 40 	 75 100 150 blue				C2090021 C2090099	C2090100 C2095130		
 HR 40 	 loop 150 blue				B2095490			
 HR 40s 	 75 90 100 blue			C2090033	C2090199 C2090317	C2090200 C2090300		C2090478
 HR 40s 	 loop 150 blue					B2090331		
 HR 40ss 	 100 blue				C2090106			

# Premilene®

























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)
1/2 circle round bodied needle							
 <p>HR 48</p> <p>EasySlide</p>	<p>75 120 150 blue</p> <p>rf</p>				C2095445	C2090170 C2095146 C2090333	
 <p>HR 48</p> <p>EasySlide</p>	<p>150 blue</p> <p>rf loop</p>				C2090332	B2095081	
 <p>2xHR 48</p> <p>EasySlide</p>	<p>120 blue</p> <p>Long pack</p>		G0090931	G0090932			
 <p>HR 65</p> <p>EasySlide</p>	<p>120 150 blue</p> <p>rf</p>					B2090485 B2095584	B2095585
 <p>HR 65</p> <p>EasySlide</p>	<p>100 240 blue</p> <p>rf</p>					B2095578 B2095674	
 <p>2xHR 70</p> <p>EasySlide</p>	<p>75 blue</p> <p>rf</p>					B2090841	
 <p>HR 76</p> <p>EasySlide</p>	<p>150 blue</p>					B0095587	

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									
 <b>DR 6</b> 		45	C2090110						
		blue							
 <b>2xDR 6</b> 		45	C2090880	C2095014	C2095110				
		60	C2090712	C2095015					
		75	C2090980	C2095286					
				2 x 45	G0095841				
				2 x 60	G0090357				
2 x 75	G0090980			G0095805					
blue									
 <b>2xDR 6b</b> 		45	C2095857						
		60	C2095835						
		75	C2095834						
blue									
 <b>2xDR 8f</b> 		45	C2090107	C2090079					
		60	C2090105	C2090088					
		2 x 45	G0090118	G0090124					
		2 x 60	G0090121	G0090127					
		4 x 60		G0090232					
2 x 75		G0090130							
blue									
 <b>2xDR 8fb</b> 		45	C2095824	C2095826					
		60	C2095829	C2095832					
blue									
 <b>DR 8</b> 		45		C2090034					
		blue							
 <b>2xDR 8</b> 		12		C2095870					
		45	C2090703	C2090685	C2090686	C2090684			
		60	C2090887	C2090888	C2090889				
		75	C2090004	C2090885	C2090886				
		2 x 45	G0090361	G0090362	G0090399				
		2 x 60	G0090363	G0090364					
		75		G0090089					
2 x 75	G0090892	G0095080							
blue									
























# Premilene®

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								
<b>2xDR 8b</b>  	 blue	45	C2095805					
		60	C2095817	C2095819	C2095821			
		75	C2095822	C2095823	C2090599			
 <b>DR 8</b> 		12		G0096010				
 <b>2xDR 8</b> 		60		C0090007				
 <b>DR 10f</b> 		75		C2095084	C2095431			
<b>2xDR 10f</b>  	  Pledgets 3x3mm Firm	45	C2090126	C2090134	C2095565			
		60	C2090128	C2090135	C2095477			
		75	C2090131	C2090136	C2095430			
	  Pledgets 3x3mm Soft	75			C2095433			
		75			C2095308			
	 		2 x 45 2 x 60 2 x 75	G0090210 G0090216	G0090218 G0095485 G0095429	G0095566 G0095801 G0095847		
 <b>2xDR 10fb</b>  		60 75		C2095764 C2095838				
 <b>DR 10</b>  		75		C2090541	C2090542			



















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								
		45		C2090614	C2090615			
		60		C2090714	C2090715	C2090522		
		75		C2090914	C2090915	C2090913		
		90 blue		C2090799	C2090815			
	 	75 blue			C2095306			
		75 blue		C0095422				
	 	2 x 45			G0090636			
		4 x 45		G0090369				
		2 x 60		G0090611	G0090613			
		4 x 60		G0090371				
2 x 75			G0095810	G0095811				
4 x 75			G0090373	G0090374				
2 x 90 blue			G0095809					
 	45 blue		G2090134					
		45		C2090164				
		60		C2090062	C2095816			
		75		C2095812	C2095843			
		blue						
		45		C2095600				
		60		C2095602				
		75 blue		C2095604				
	 	4 x 45		G0095623				
4 x 60 blue			G0095627					
		45			C2090114			
		75 blue		C2090528	C2090529	C2090530	C2090531	































# Premilene®

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									
 	  Pledgets 6x3mm Firm	45		C2090818	C2090816	C2090817			
		60		C2090828	C2090705	C2090706			
		75		C2090922	C2090916	C2090917	C2090918		
		90			C2090923	C2090924	C2090974		
		blue							
		75				C2090825			
		2 x 45		G0095515					
		2 x 60			G0090651				
		4 x 60		G0090385	G0090386	G0090387			
		2 x 75			G0095818	G0090380			
4 x 75			G0090388						
2 x 90				G0090654					
blue									
 									
 		75			C2095930	C2095931	C2095932		
		90				C2095022			
 		45		C2095885	C2095886	C2095887			
		60		C2095894	C2095895	C2095896			
		75		C2095905	C2095906	C2095907	C2095908		
		90			C2095938	C2095939	C2095940	C2095658	
		120							
		blue							
		2 x 45			G0095957				
		2 x 60			G0095970				
		75			G0095472				
		2 x 75			G0095979				
blue									
 									
 		60			C2095926				
		75			C2090191	C2090547			
		90			C2095839	C2095840			
		120					C2095997		
blue									
 		60			C0091004				
		blue							
 		75				C2095056			
		blue							







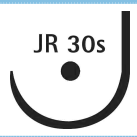











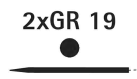








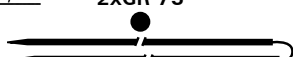


C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm	Thread length cm colour	USP (metric)							
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	
3/8 circle round bodied needle									
2xDR 13s 		45		C2095034	C2095036	C2095037			
		60		C2095029	C2095032	C2095033			
		75		C2095024	C2095026	C2095027			
		90				C2095021			
		blue							
		2 x 60		G0095012		G0095016			
		2 x 75			G0095011				
		2 x 90				G0095009			
		blue							
2xDR 15 		90				C2090716	C2090717		
		blue							
DR 18 		75				C2090119	C2090120	C2095057	
		blue							
		20				C2090990			
		blue							
		Pledgets 3x3mm Firm							
2xDR 18 		60				C2095918	C2095919	C2095920	
		75				C2090719	C2090720		
		90				C2090919	C2090920	C2095921	
	120							C2095092	
	blue								
			90					C2095215	
		75					C2095312		
		90					C2095316		
		blue							
		4 x 75				G0090394			
		2 x 90				G0095659	G0090659		
		blue							
2xDR 18b 		75				C2095237	C2095238		
		90				C2095242	C2095243		
		120					C2095656		
		blue							
		2 x 75				G0095213	G0095214		
		2 x 90				G0095232	G0095233		
		blue							

















































































# Premilene®

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																																											
 <b>DR 22</b>	 75 90 blue						C2090085 C2090123																																				
	  Pledgets 3x3mm Firm	20 blue					C2090991	C2090992																																			
	  Pledgets 3x3mm Soft	20 blue						C2095396																																			
 <b>2xDR 22</b>	 75 90 120 blue				C2090821	C2090722 C2090822 C2095112	C2090723 C2090823 C2095113	C2090721 C2090824 C2095114																																			
	 4 x 75 blue					G0090397																																					
	 75 blue							C2090132																																			
 <b>DR 26</b>	  Pledgets 3x3mm Firm	20 blue					C2090993																																				
	  Pledgets 3x3mm Soft	20 blue						C2095398																																			
	 75 blue						C2090724	C2090725																																			
 <b>DR 32</b>	 75 blue						C2090082	C2090083																																			
	<table border="1"> <thead> <tr> <th>Needle length mm</th> <th>Thread length cm colour</th> <th colspan="7">USP (metric)</th> </tr> <tr> <td></td> <td></td> <th>6/0 (0.7)</th> <th>5/0 (1)</th> <th>4/0 (1.5)</th> <th>3/0 (2)</th> <th>2/0 (3)</th> <th>0 (3.5)</th> <th>1 (4)</th> </tr> </thead> <tbody> <tr> <td>   <b>DR 39</b> </td> <td>             90 blue         </td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>C2095534</td> <td></td> </tr> <tr> <td>   <b>DR 48</b> </td> <td>             120 blue         </td> <td></td> <td></td> <td></td> <td></td> <td>C2095044</td> <td></td> <td></td> </tr> </tbody> </table>								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)	 <b>DR 39</b>	 90 blue						C2095534		 <b>DR 48</b>	 120 blue					C2095044	
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)																																			
 <b>DR 39</b>	 90 blue						C2095534																																				
 <b>DR 48</b>	 120 blue					C2095044																																					









































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)
5/8 circle round bodied needle								
 FR 26 	 45 75 blue						C2090156 C2095360	C2090066
 FR 36 	 90 blue							C2095484
Hook round bodied needle								
 JR 30s 	 100 blue							C2090098
Ski Needle round bodied needle								
 SKR 26 	 20 30 blue			C2095421	C2090422		C2095415	
Progressive curved round bodied needle								
 PR 24 	 loop 30 blue				C2090243			
Straight round bodied needle								
 GR 19 	 45 blue	C2090465	C2090466					
 2xGR 19 	 30 blue			C2090776	C2095091			
 2xGR 65 	 75 blue					C2095350	C2095351	
 2xGR 70 	 75 blue						C0090771	
 2xGR 75 	 75 blue						C0090797	

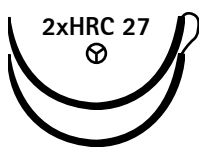







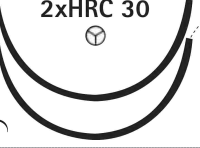


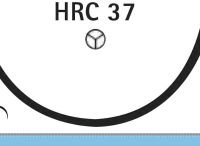

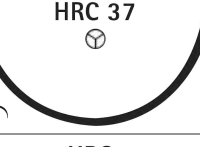





# Premilene®

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)
1/2 circle round bodied needle with short cutting point								
<b>2xHRC 10</b> 		45	C2095365					
		60			C2095495			
		75			C2095205			
		blue						
		2 x 60	G0095793	G0095794	G0095795			
		blue						
<b>2xHRC 13</b> 		60		C2095042	C2095045			
		75		C2095039	C2090303	C2090145		
		90		C2095020		C2095419		
		blue						
		2 x 60		G0090195	G0090196			
		2 x 75		G0095276	G0095043	G0095047		
		blue						
<b>2xHRC 17f</b> 		75			C2095996			
		blue						
								
		75			C2090560	C2090561	C2090579	
		blue						
								
<b>2xHRC 17</b> 		75			C2090695	C2090704	C2090711	
		90			C2090570	C2090571	C2090800	C2095052
		120						C2095668
		blue						
								
		90				C2095367		
		blue						
		2 x 90			G0095168	G0095169	G0095182	
		blue						
<b>2xHRC 17b</b> 		75			C2095569	C2095570		
		90			C2095580	C2095581		
		blue						
		2 x 75			G0095881	G0095882		
		2 x 90			G0095890	G0095891		
		blue						
		90				C2095368		
		blue						
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								

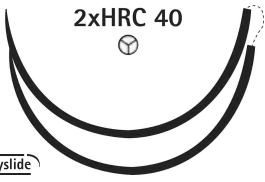



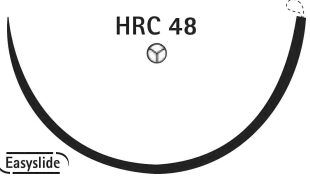






















Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	
1/2 circle round bodied needle with short cutting point									
 		75					C2095352	C2095353	
		90 blue					C2095372	C2095373	
 		75			C2090567	C2090565	C2090566	C2095572	
 		75			C2095059				
		90 120 blue				C2090580 C2095066	C2090581		
 		2 x 90				G0095162	G0095163		
		blue							
 		75					C2095574		
		90 blue				C2095592	C2095593		
 		2 x 75					G0095898		
		2 x 90 blue				G0095902	G0095903		
 		75			C2090471	C2090472	C2090473	C2090474	C2095796
		90 blue					C2095787	C2095788	
 		75			C2090806	C2090807	C2090808		
		90 120 blue				C2090810	C2090811 C2095771	C2090812 C2090820	C2095825 C2095140
 	 	90 blue					C2095377		
		2 x 75				G0095759			
 		2 x 90					G0095760	G0095761	
		4 x 90						G0095751	
 		2 x 120 blue					G0095820		
 		75				C2095736	C2095737	C2095738	
		90 120 blue					C2095607	C2095608 C2095597	C2095598
 		2 x 75				G0095942	G0095943	G0095944	
		2 x 90					G0095964	G0095965	
		120 blue					G0095915	G0095916	


















# Premilene®

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)
1/2 circle round bodied needle with short cutting point								
 2xHRC 27	 75 90 blue					C2095207 C2095227	C2095208 C2095228	
	  Pledgets 6x3mm Soft 90 blue					C2095382		
	 2 x 75 blue					G0095197		
 2xHRC 27b	 75 90 blue						C2095642 C2095670	
	 2 x 75 2 x 90 blue						G0095973 G0095984	
 2xHRC 30	 90 blue					C2090584	C2090585	
	 2 x 90 blue						G0095188	
 HRC 37	 75 blue							C2095048
Needle length mm	Thread length cm colour	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
 HRC 37	 75 90 100 blue				C2095413 C2095411	C2095734		
	 90 120 blue		C2095414	C2095404	C2095407			
	 120 blue		G0095402					
 HRC 37s	 75 blue				C2095995			

































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 with short cutting point								
 <b>2xHRC 40</b> 	 90 blue		C2090830	C2090831				
	 2 x 90 blue				G0095831			
 <b>HRC 48</b> 	 150 200 blue				B2095434	B2095457 B2095450		
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 with short cutting point								
 <b>2xDRC 6</b> 	 45 60 75 blue	C2095209	C2095219					
		C2095246	C2095251					
		C2095272	C2095288					
 <b>DRC 8b</b> 	 75 blue		C2095813					
 <b>2xDRC 8</b> 	 45 60 75 blue	C2095211	C2095231	C2090172				
		C2095025	C2095046					
	 2 x 60 2 x 75 blue	G0095178	G0095179					
		G0090168	G0095280					
 <b>2xDRC 8b</b> 	 75 blue		C2095768					
 <b>2xDRC 8</b> 	75 blue			C0090173				
 <b>DRC 10</b> 	 75 blue		C2090538	C2090539				

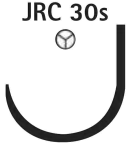
















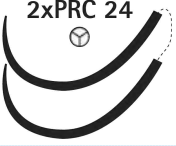








# Premilene®

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 with short cutting point										
2xDRC 10 		45	C2090116	C2090548	C2090553	C2090930				
		60		C2090544	C2090543					
75	C2090545	C2090546								
90										
2xDRC 10b 		4 x 45		G0090353						
		2 x 60		G0090179					G0090202	
		4 x 60							G0090188	
		75		G0095180						
		2 x 75		G0095560						
		4 x 75		G0090177						
CV Pass UTERUS		blue								
2xDRC 10b		60	C2095462	C2090577	C2090578					
		75		C2090516						
CV Pass UTERUS		blue								
2xDRC 10s 		75		C2095324	C2095325					
CV Pass UTERUS		blue								
DRC 12 		45				C2090405	C2090552			
		75		C2090549	C2090550	C2090551				
CV Pass UTERUS		blue								
2xDRC 12 		45		C2095241		C2090556	C2090557			
		60		C2090537					C2090524	
		75		C2090554					C2090555	C2090756
		90								
		blue								
		75							G0095170	
2 x 75			G0090185	G0095186						
4 x 75			G0090183	G0090178						
4 x 90				G0090184						
CV Pass UTERUS		blue								
DRC 13 		75			C2095144	C2095145				
CV Pass UTERUS		blue								
2xDRC 13 		45		C2095244	C2095173					
		60		C2095268	C2095271					
		75		C2095301	C2095175				C2095141	
		90		C2095303	C2095305				C2095171	
		blue								
		2 x 45			G0095174					
2 x 75		G0095191	G0095176	G0095177	G0095181					
2 x 90				G0095172						
CV Pass UTERUS		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)							
		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 with short cutting point									
 <b>2xDRC 13b</b> 		75			C2095836	C2095315			
		90 blue				C2095311			
 <b>2xDRC 13s</b> 		75 blue				C2095334			
 <b>2xDRC 15</b> 		75 90 blue				C2095756 C2090728			
 <b>DRC 18</b> 		75 blue				C2095164	C2095165	C2095166	
 <b>DRC 18</b> 	 loop	30 blue					C2095456		
 <b>2xDRC 18</b> 		75 90 blue				C2095194 C2090525	C2095195 C2090526	C2090527	
		 2 x 75 2 x 90 blue				G0095719	G0095222		
 <b>2xDRC 18b</b> 		75 90 blue				C2095247 C2095438	C2095248 C2095439		
		 2 x 75 2 x 90 blue				G0095252 G0095261	G0095253 G0095262		
 <b>2xDRC 22</b> 		90 120 blue				C2090535 C2095662	C2090536		
 <b>DRC 26</b> 		75 120 blue				C2095644	C2095645		C2095646
 <b>2xDRC 26</b> 		75 90 120 blue				C2095631 C2095630 C2095629	C2095634 C2095633 C2095632	C2095636 C2095612	

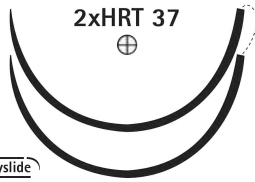





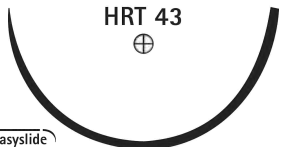


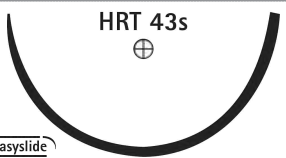


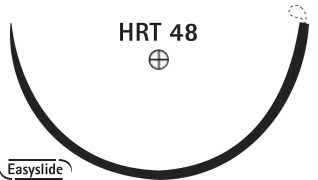












# Premilene®

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)
Hook round bodied needle with short cutting point								
<b>JRC 30s</b> 	 100 blue							C2090963
Progressive curved round bodied needle with short cutting point								
<b>2xPRC 10</b> 	 60 75 blue	C2095062 C2095064						
	 2 x 75 blue	G0095053						
<b>PRC 13</b> 	 75 blue		C2095096					
								
<b>2xPRC 13</b> 	 75 90 blue		C2095097 C2095100	C2095101 C2095103				
								
<b>2xPRC 13b</b> 	 75 blue		C2095701					
								
<b>PRC 24</b> 	 120 blue						C2095150	
								
<b>2xPRC 24</b> 	 2 x 90 blue					G0095161		
								
1/2 circle round bodied needle with trocar point								
<b>2xHRT 13</b> 	 75 blue			C2090833				
								
<b>HRT 17</b> 	 75 blue			C2090312	C2090313	C2090314		
								

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































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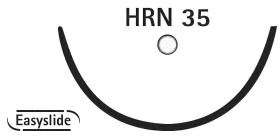


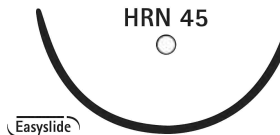


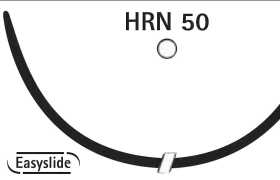


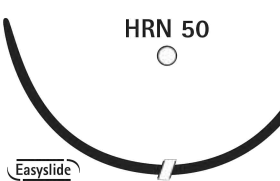














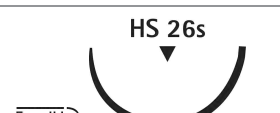


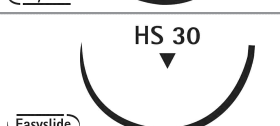


Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle with trocar point								
 <b>2xHRT 37</b> 	 90 120 blue		C2090834 C2090734	C2090835 C2090735	C2090733			
 <b>HRT 37s</b> 	 75 blue				C2095463			
 <b>HRT 43</b> 	 90 blue			C2090339				
 <b>HRT 43s</b> 	 100 blue					C2090035		
 <b>HRT 48</b> 	 150 200 blue				B2090336	B2090335 B2090337		
Needle length mm	Thread length cm colour	USP (metric)						
3/8 circle round bodied needle with trocar point								
 <b>2xDRT 10</b> 	 75 blue	C2090005	C2090006					
 <b>DRT 12</b> 	 75 blue		C2090306	C2090307				
 <b>2xDRT 12</b> 	 75 blue		C2090763	C2090764				
	 2 x 75 blue		G0095856					

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




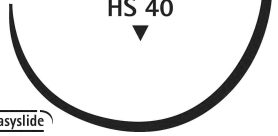





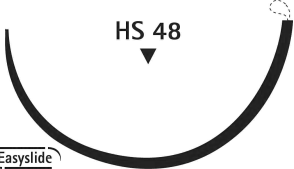



















Needle length mm		Thread length cm colour	USP (metric)						
			7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
3/8 circle round bodied needle with trocar point									
	<b>DRT 15</b> 		75 blue		C2090308	C2090309			
	<b>2xDRT 15</b> 		75 blue		C2090765	C2090766			
	<b>DRT 18</b> 	 loop	30 blue				C2095345		
	<b>DRT 18</b> 		75 120 blue			C2090319	C2090320 C2095946	C2090321	
	<b>2xDRT 18</b> 		75 90 blue			C2090744 C2090944	C2090745 C2090945	C2090946	
	<b>2xDRT 22</b> 		120 blue				C2090964		
	<b>DRT 26</b> 		75 blue				C2090533	C2090534	
	<b>2xDRT 26</b> 		75 90 120 blue				C2090848 C2090948 C2090748	C2090849 C2090949 C2090749	C2090950
Straight round bodied needle with trocar point									
	<b>2xGRT 40</b> 		35 blue				C2095220		
1/2 circle round bodied needle with blunt point									
	<b>HRN 35</b> 		75 blue						C2095446


































# Premilene®

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 blunt point								
 HRN 35 	 75 blue							C2090054
 HRN 45 	 100 blue							C2090643
 HRN 50 	 75 blue						C2095447	C2090055
 HRN 50 	 200 blue							C2095257
1/2 circle reverse cutting needle								
 HS 15 	 75 blue		C2090259					
 HS 18 	 45 90 blue	C2090264 C2095998		C2095067				
 HS 21 	 45 75 blue		C2095775 C2090460	C2090261 C2090461				
 HS 26 	 45 75 blue		C2090468	C2090269	C2090270	C2090271		
 HS 26s 	 75 blue			C2095287		C2095290		
 HS 30 	 45 75 90 blue			C2090274	C2095466 C2090275	C2090276		C2095297

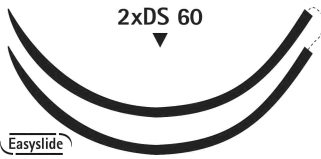

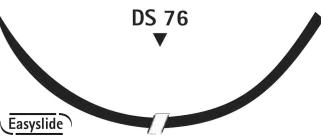

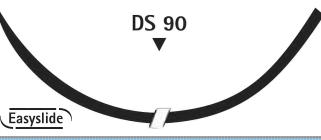

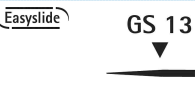









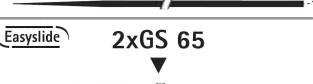



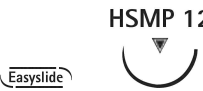

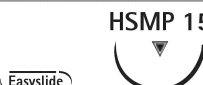

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm	Thread length cm colour	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle reverse cutting needle								
 HS 37 	 75 blue				C2090279	C2090280		
 HS 37s 	 75 100 blue					C2095266	C2095320	C2095321
 HS 40 	 75 100 blue				C2090273	C2090281 C2095912	C2090287 C2090272	
 HS 48 	 75 100 blue					C2095329	C2095330 C2090304	
 HS 48 	 150 blue						B2090289	
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 reverse cutting needle								
 DS 9 	 45 blue		C2090204					
 2xDS 9 	 60 blue	C2090809						
 DS 12 	 45 75 blue		C2090206 C2095543	C2090207	C2090208	C2090205		
 2xDS 12 	 60 blue		C2090829					
 DS 16f 	 45 blue		C2095159					































# Premilene®

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 reverse cutting needle										
 DS 16 		45		C2090211	C2090212	C2090213	C2090214			
		75 blue			C2090512	C2090513	C2090514			
 DS 16 	 loop	30					G2090215			
		blue								
 DS 19 		30				C2090420	C2090421			
		45		C2095400	C2090219	C2090220	C2090221	C2090222		
		60			C2090101					
		75 blue			C2090519	C2090520	C2090521	C2095522		
 DS 19 	 loop	30				G2090217				
		blue								
 DS 24 		45				C2090434	C2090435	C2090436		
		60					C2090102			
		75			C2090233	C2090234	C2090235	C2090236	C2090237	
		blue								
Needle length mm	Thread length cm colour	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)		
 DS 24 		75					C2090238			
		90 blue					C2090072			
 	 take off	75			C2090241					
		blue								
 DS 30 		45		C2090445	C2090446	C2090447		C2090440		
		75 blue		C2090245	C2090246	C2090247	C2090248	C2095200		
 DS 35 		75								
		blue			C2090230					
 DS 39 		75		C2090253	C2090254	C2090255	C2090256	C2090257	C2090244	
		90			C2090020			C2095488		
		100 blue				C2090249				
 DS 45 		100						C2095190		
		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)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
<b>3/8 circle reverse cutting needle</b>								
 2xDS 60		75 blue				B2090751		
 DS 76		75 blue				C0090774		
 DS 90		75 90 blue				C0090258		C0090262
<b>Straight reverse cutting needle</b>								
 GS 13		45 blue		C2095385				
 GS 51		75 blue			C2090284	C2090285		
 2xGS 51		35 blue				C2090796		
 GS 60		75 blue		C2090081	C2090265	C2090266	C2090267	
 2xGS 60		75 blue			C2090881	C2090882		
 2xGS 65		75 blue				C2095837		
 GS 75		100 blue			C0090298	C0090292	C0090293	
<b>1/2 circle reverse cutting needle with precision point</b>								
 HSMP 12		45 blue	C2090027	C2090469				
 HSMP 15		45 blue		C2090511				

# Premilene®

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 reverse cutting needle with precision point									
	<b>DSMP 7</b> 	 45 blue	C2090612	C2095613					
	<b>DSMP 9</b> 	 45 blue		C2090641					
	<b>DSMP 11</b> 	 45 75 blue	C2090606 C2090406	C2090607 C2090407	C2090608				
	<b>DSMP 13</b> 	 45 75 blue	C2090617	C2090618	C2090619 C2090409	C2090620 C2090410	C2090077		
	<b>DSMP 15</b> 	 45 blue	C2090696	C2090697					
	<b>DSMP 16</b> 	 45 75 blue		C2090628 C2090428	C2090629 C2090429	C2090630 C2090427	C2090481		
	<b>DSMP 16s</b> 	 45 blue			C2090161				
	<b>DSMP 19</b> 	 45 75 blue			C2090675 C2090672	C2090676 C2090673	C2090677 C2090674	C2090678	
	<b>DSMP 24</b> 	 45 75 blue			C2095654	C2090655 C2090680	C2090656 C2090681	C2090657 C2090682	
	<b>DSMP 30</b> 	 45 75 blue					C2090665 C2090690	C2090666 C2090691	C2090667 C2090692

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

## Non-absorbable sutures

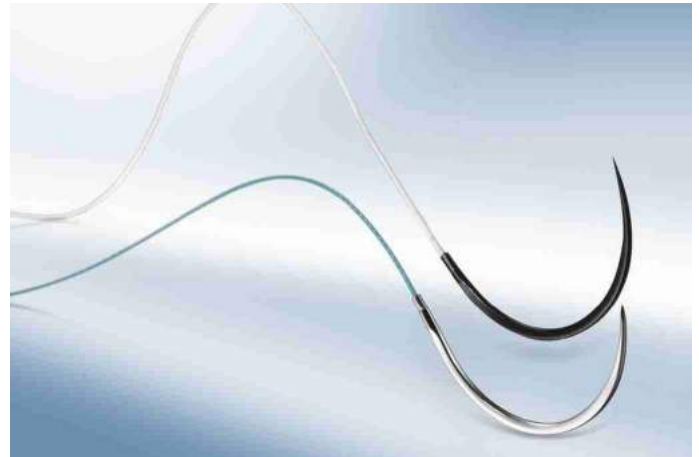
### Description

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.

### Indication

- Cardiac surgery (valve surgery)
- General surgery



### Advantages

- Unique PTFE oval pledget design improving adaptability to underlying anatomical structures
- Excellent knot run-down and knot security
- Reduced 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 (metric 0.7) to USP 5 (metric 7)

Type of degradation




















Non-absorbable

Sterilisation

Ethylene oxide / Gamma-irradiation










# 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 lancet needle with micro-point								
<b>2xHLM 8</b>  	 45 white 45 white	C2027061						
			G0027062					
1/4 circle lancet needle with micro-point								
<b>2xVLM 6</b>  	45 white		G0027895					
			G0026155					
<b>2xVLM 8</b>  	45 green 45 white		G0027114	G0027115	G0027116			
1/2 circle round bodied needle								
<b>HR 6</b>  	 75 green	C2026942						
				C2026213				
<b>2xHR 10f</b>  	 75 green 75 green			C0026213				
<b>HR 10</b>  	45 green	C0026008	C0026009	C0026010				
<b>2xHR 10</b>  	 75 green		C2026695					
		  75 90 green		C2026887	C2026888			
	 75 90 green	 75 90 green		C0026695				
	<b>2xHR 13ff</b>  	 75 green 75 green		C2026949				













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 circle round bodied needle								
 HR 13	 60 green				C2026183			
				C0026029	C0026030 C0026152	C0026031 C0026032		
	 4 x 75 green				M0026699			
 2xHR 13	 60 75 green		C2026843	C2026844	C2026846 C2026845			
			C0026843	C0026844	C0026845			
 HR 13	take off 4 x 45 green			C0026477				
 HR 13ss						C0026062		
 HR 17			C0026003	C0026004	C0026005	C0026006		
	 take off 4 x 75 green			C0026700				




















# 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	C2026802	C2026803	C2026804	C2026805	C2026806		
	90 green		C2026903	C2026904	C2026905	C2026906		
	75			C2027455		C2027457		
	90 white					C2027906		
  Pledgets 6x3mm Firm	75					C2027042		
	green							
	75	C0026802	C0026803	C0026804	C0026805	C0026806		
	90 green		C0026903	C0026904	C0026905	C0026906		
	75			C0027455		C0027457		
	90 white					C0027906		
	4 x 75 green			M0026708				
	8 x 75 4 x 90 green/white					M0027775	M0027008	
  Pledgets 3x3mm Firm	4 x 75 8 x 75 green/white					M0027764 M0027802		
  Pledgets 6x3mm Firm	4 x 75 8 x 75 green/white					M0027088 M0027776	M0027091	




















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 circle round bodied needle								
	 75 green						C2026211	
	  75 Pledgets 3x3mm Firm green						C2026252	
	  75 Pledgets 6x3mm Firm green						C2026210	
	  75 Pledgets 3x3mm Soft green						C2026257	
	75 green						C0026211	
	 75 Pledgets 3x3mm Firm green						C0026252	
	 75 Pledgets 3x3mm Soft green						C0026257	
	 8 x 75 green/white						M0027151	
	  4 x 75 8 x 75 Pledgets 3x3mm Firm green/white						M0027090 M0027119	
	  4 x 75 8 x 75 Pledgets 6x3mm Firm green/white						M0027089 M0027150	
	  4 x 75 8 x 75 Pledgets 3x3mm Soft green/white						M0027105 M0027133	
	  HR 17 take off	4 x 45 green			C0026704	C0026740		

















# 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 green			C2026094				
	90 white					C2027591		
	90 white					C0027591		
	75 green					C0026907		
	75 white					C0027010		
	8 x 75 green/white					M0027707		
 	8 x 75 green/white					M0027953		
 	4 x 75 8 x 75 green/white					M0027905 M0027706		
 	8 x 75 green/white					M0027945		
 	8 x 75 green/white					M0027525		
								
								
								
	75 100 green			C0026024	C0026025	C0026026 C0026086		



















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 circle round bodied needle								
	75			C2026763		C2026737		
	90 green			C2026730	C2026731	C2026732	C2026734	
	 Pledgets 6x3mm Firm	75 green		C2026735	C2026307	C2026733		
	 Pledgets 6x3mm Firm	75 white				C2027034		
	75 90 green			C0026763 C0026730	C0026731	C0026732	C0026734	
	 Pledgets 6x3mm Firm	75 green		C0026735	C0026307	C0026733		
	 Pledgets 6x3mm Firm	75 white				C0027034		
	 Pledgets 6x3mm Firm	2 x 75 green/white				B0027718		
		8 x 75 green/white				M0027705		
	 Pledgets 6x3mm Firm	8 x 75 8 x 90 green/white				M0027605 M0027704		
	 Pledgets 6x3mm Soft	8 x 75 green/white				M0027867		






# 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 green						C2026265		
	  Pledgets 6x3mm Firm	75 green						C2026460	
	  Pledgets 6x3mm Soft	75 green						C2026493	
		75 green						C0026265	
	 Pledgets 6x3mm Firm	75 green						C0026460	
	 Pledgets 6x3mm Soft	75 green						C0026493	
		8 x 75 green/white						M0027181	
	  Pledgets 6x3mm Firm	4 x 75 8 x 75 green/white						M0027157 M0027169	
	  Pledgets 6x3mm Soft	4 x 75 8 x 75 green/white						M0027163 M0027175	
									
Needle length mm	Thread length cm colour	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	
	2 x 60 green/white						B0027642		
	 take off	4 x 45 green			C0026736	B0026729			
	75 green						C0026070		
									















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								
 <p>HR 26</p>	75	C0026014	C0026015	C0026016	C0026017	C0026018		
	90			C0026049				
	100				C0026096			
	120		C0026002	C0026111	C0026001			
	green							
	75			C0027016				
	90			C0027020				
	white							
	 4 x 75				M0026725			
	green							
 4 x 75				M0027112				
white								



# PremiCron®






















## 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								
	75	C2026814	C2026738	C2026739	C2026817			
	90 green		C2026815	C2026816				
	75		C2027815	C2027839	C2027817			
	90 white			C2027816				
  Pledgets 6x3mm Firm	90		C2026915	C2026916				
	90 green							
  Pledgets 6x3mm Firm	90			C2027306				
	90 white							
	75	C0026814	C0026738	C0026739	C0026817			
	90 green		C0026815	C0026816				
	75			C0027839	C0027817			
	90 white			C0027816				
 Pledgets 6x3mm Firm	90		C0026915	C0026916				
	90 green							
 Pledgets 6x3mm Firm	90			C0027306				
	90 white							
	4 x 75 green			M0026225				
	4 x 75 8 x 75 8 x 90 green/white							
	4 x 75 8 x 75 8 x 90 green/white			M0027700 M0027715 M0027713	M0027009			
	8 x 75 8 x 90 green/white							
  Pledgets 3x3mm Firm	8 x 75 8 x 90 green/white			M0027716 M0027717				
	8 x 90 green							
  Pledgets 6x3mm Firm	8 x 90 green			M0026712				











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										
 	  Pledgets 6x3mm Firm	4 x 75						M0027759		
		8 x 75							M0027766	
		4 x 90		M0027752						
		8 x 90							M0027712	
 	 Pledgets 6x3mm Firm	75						C2026500		
		green								
		  Pledgets 6x3mm Firm	75						C2026522	
			green							
		  Pledgets 6x3mm Soft	75						C2026527	
			green							
				75						C0026500
				75						C0026522
				75						C0026527
			 Pledgets 6x3mm Firm	4 x 75						M0027186
8 x 75									M0027205	
green/white										
  Pledgets 6x3mm Firm	4 x 75								M0027187	
	8 x 75									M0027199
green/white										
  Pledgets 6x3mm Soft	4 x 75						M0027193			
	8 x 75							M0027211		
green/white										
 	take off	75		C0026061	C0026052	C0026050	C0026051	B0026053		
		green								
		4 x 45				C0026724	B0026019			
 	take off	90						C0026255		
		green								
		4 x 75							B0027148	
		4 x 45			C0026064	B0026020				
		green								

# PremiCron®

## Needle-thread combination











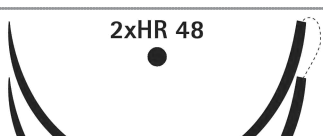



Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle								
 CV Pass	75 green							B0026325
 Easyslide	2 x 75 green				C0026768			
 Easyslide	75 90 green		C0026056	C0026057 C0026928	C0026058	C0026059	C0026145	
	75 white					C0027059		
 Easyslide	75 green		C0026035	C0026036	C0026037	C0026038	C0026039	
 Easyslide	75 90 green		C0026750	C0026836 C0026751	C0026837 C0026752			
 Easyslide	75 90 green			C0026066	C0026067 C0026267	C0026068 C0026277	C0026069	
	take off 4 x 45 green					B0026727		
 Easyslide	60 90 green						C0026840 C0026759	
 Easyslide	75 green						C0026079	

C Box of 36 units

B Box of 24 units

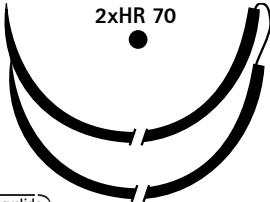








G Box of 12 units

M Box of 6 units























Needle length mm	Thread length cm colour	USP (metric)						
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)
1/2 circle round bodied needle								
 HR 37ss 	75 green							B0026191
 HR 40 	75 90 green	C0026072		C0026074 C0026972	B0026075	B0026425		B0026083
 HR 40s 	75 green			C0026512	B0026513			
 HR 40ss 	75 green				C0026275			
 HR 48 	75 green 75 white 4 x 45 green		C0026098	C0026080	C0026182	B0026082	B0027082	
	take off	B0026065	B0026721					
 2xHR 48 	75 green				B0026720			
 HR 65 	75 green						B0026303	

# PremiCron®

## Needle-thread combination














Needle length mm	Thread length cm colour	USP (metric)						
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)
<b>1/2 circle round bodied needle</b>								
 2xHR 70 	75 green		B0026696	B0026697				
	75 green			C0026808				
<b>3/8 circle round bodied needle</b>								
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)
 2xDR 8 	 45 green		C2026822					
	 45 75 white	C2027069	C2027822 C2027070	C2027071				
	45 green		C0026822					
	45 75 white	C0027069	C0027822					
	 75 green	C2026871						
	75 green	C0026871						
 DR 12 	45 green	C0026120	C0026121					

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 circle round bodied needle								
 2xDR 12	 75 green	C2026852	C2026853	C2026854				
	 75 white		C2027853	C2027854				
	  75 green			C2026954				
	 75 green	C0026852	C0026853	C0026854	C0026859			
	 75 white		C0027853	C0027854				
	  75 green			C0026954				
 2xDR 13	  75 green			C2026896				
 DR 15	75 green			C0026130	C0026131			
 DR 18	75 green			C0026104	C0026105			
 2xDR 18	 75 90 green		C2026863	C2026864	C2026865 C2026858	C2026883		
	75 90 green		C0026863	C0026864	C0026865 C0026858	C0026883		
	 8 x 90 green/white					M0027769		
	  8 x 75 green/white					M0027671		
 DR 22	75 green				C0026226	C0026227	C0026228	
 2xDR 22	 75 green				C2026116	C2026143		
	75 green				C0026116	C0026143		

# 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)
<b>3/8 circle round bodied needle</b>								
 <b>DR 26</b> 	75				C0026136	C0026137		
	100 green					C0026139		
 <b>2xDR 26</b>	 90 green					C2026873		
	  Pledgets 6x3mm Firm 90 green						C2026874	
 <b>DR 32</b>	90 green					C0026873		
 <b>DR 32</b>	75 green				C0026204	C0026141	C0026142	C0026238
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)
 <b>DR 32</b>	75 green							C0026239
 <b>2xDR 48</b>	75 green				C0026328	C0026071		
<b>5/8 circle round bodied needle</b>								
 <b>FR 26</b>	75 green						C0026088	
 <b>FR 36</b>	90 green					C0026268	C0026089	
<b>Hook round bodied needle</b>								
 <b>JR 30s</b>	75 green						C0026977	

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)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
<b>Ski Needle round bodied needle</b>								
 SKR 19 	30 green			C0026535	C0026536			
 SKR 26 	30 45 120 green			C0026540 C0026546	C0026550 C0026046	C0026549		
<b>Straight round bodied needle</b>								
 GR 19 	45 75 120 green		C0026113	C0026041	C0026045	C0026992		
 2xGR 19 	75 green		C0026449					
 GR 35 	20 green				C0026119			
<b>1/2 circle round bodied needle with short cutting point</b>								
 HRC 17 	 75 green					C2026940		
	75 green	C0026936	C0026937	C0026938				

# 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			C2026572	C2026250	C2026212		
	90 green		C2026304	C2026305	C2026306			
	75				C2027656			
	90 white				C2027317			
	 Pledgets 3x3mm Firm	75		C2026241	C2026249			
	 Pledgets 6x3mm Firm	75		C2026240	C2026248			
		90 green			C2026308			
	 Pledgets 6x3mm Firm	90			C2027315			
		white						
	 Pledgets 3x3mm Soft	75			C2026560			
		green						
	 Pledgets 3x3mm Soft	75			C2027320			
		white						
	 Pledgets 6x3mm Soft	75			C2026563			
		green						
	 Pledgets 6x3mm Soft	75			C2027323			
		white						
		75			C0026250	C0026158		
		90 green		C0026304	C0026305	C0026306		
		75			C0027656			
		90 white			C0027317			
	 Pledgets 3x3mm Firm	75			C0026249			
		green						
	 Pledgets 6x3mm Firm	75		C0026240	C0026248			
		90 green			C0026308			



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)						
		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								
	90 white				C0027315			
	75 green				C0026560			
	75 white				C0027320			
	75 green				C0026563			
	4 x 75 green				M0026175			
	4 x 75 8 x 75 4 x 90 8 x 90 green/white			M0027584	M0027921 M0027722 M0027929	M0027585 M0027976		
	 4 x 75 8 x 75 green/white				M0027738	M0027739		
	 4 x 75 8 x 75 4 x 90 8 x 90 green/white				M0027628 M0027723 M0027863	M0027579 M0027675 M0027975		
	 4 x 75 8 x 75 green/white				M0027824 M0027819			
	 4 x 75 8 x 75 green/white				M0027813 M0027811			









# 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					C2026538		
 	75 green Pledgets 3x3mm Firm					C2026556		
 	75 green Pledgets 6x3mm Firm					C2026579		
 	75 green Pledgets 3x3mm Soft					C2026568		
 	75 green Pledgets 6x3mm Soft					C2026587		
	75 green					C0026538	C0026159	
	 75 green Pledgets 3x3mm Firm					C0026556		
	 75 green Pledgets 6x3mm Firm					C0026579	C0026253	
	 75 green Pledgets 3x3mm Soft					C0026568		
	 75 green Pledgets 6x3mm Soft					C0026587		
	4 x 75 8 x 75 green/white					M0027568 M0027253	M0027586	
 	4 x 75 8 x 75 green/white Pledgets 3x3mm Firm					M0027217 M0027241		
 	4 x 75 8 x 75 green/white Pledgets 6x3mm Firm					M0027229 M0027259		
 	4 x 75 8 x 75 green/white Pledgets 3x3mm Soft					M0027223 M0027247		
 	4 x 75 8 x 75 green/white Pledgets 6x3mm Soft					M0027235 M0027265		






















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)						
		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								
 	 	4 x 75 8 x 75 green/white				M0027626 M0027625		
 		75 100 green		C0026156		C0026296		
























# 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									
	90 green				C2026323				
	90 white				C2027363				
  Pledgets 6x3mm Firm	75 green				C2026263				
  Pledgets 6x3mm Firm	90 white					C2027537			
  Pledgets 6x3mm Soft	75 green				C2026585				
  Pledgets 6x3mm Soft	75 white				C2027340				
	90 green				C0026323	C0026163			
	90 white				C0027363				
	 Pledgets 6x3mm Firm	75 green			C0026263				
	 Pledgets 6x3mm Firm	90 white				C0027537			
	 Pledgets 6x3mm Soft	75 green			C0026585				
		4 x 75 8 x 75 4 x 90 green/white				M0027549 M0027102 M0027603	M0027107 M0027610		
		  Pledgets 6x3mm Firm	4 x 75 8 x 75 4 x 90 green/white			M0027949 M0027100 M0027617	M0027108 M0027618		
			  Pledgets 6x3mm Soft	4 x 75 8 x 75 green/white			M0027836 M0027841		













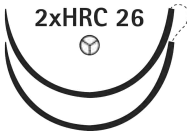






C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm	Thread length cm colour	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with short cutting point								
 <p>2xHRC 22b</p>	 75 90 green				C2026616	C2026995		
	  Pledgets 6x3mm Firm 75 green				C2026620			
	  Pledgets 6x3mm Soft 75 green				C2026625			
	75 90 green				C0026616 C0026179			
	 Pledgets 6x3mm Firm 75 90 green				C0026620 C0026174	B0026898		
	 Pledgets 6x3mm Firm 90 white					C0027536		
	 Pledgets 6x3mm Soft 75 green				C0026625			
	 4 x 75 8 x 75 4 x 90 green/white				M0027251 M0027414 M0027566			
	  Pledgets 6x3mm Firm 4 x 75 8 x 75 4 x 90 green/white				M0027375 M0027391 M0027300	M0027109 M0027619		
	  Pledgets 6x3mm Soft 4 x 75 8 x 75 4 x 90 green/white				M0027383 M0027402 M0027567			
	  <p>HRC 22</p>	4 x 90 green/white						B0027978
	  <p>HRC 26</p>	75 100 green			C0026301 C0026299	C0026302 C0026300		
	  <p>HRC 26b</p>	 8 x 75 green/white				M0027915		
	  120 green					C2026955	C2026956	























# 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			C2026215	C2026316	C2026317		
	90 green		C2026311		C2026313	C2026419		
	90 white				C2027326			
  Pledgets 3x3mm Firm	75 green				C2026422			
  Pledgets 3x3mm Firm	75 white				C2027422			
  Pledgets 6x3mm Firm	75 90 green				C2026319 C2026318			
  Pledgets 6x3mm Soft	75 90 green				C2026594 C2026676			
  Pledgets 6x3mm Soft	75 white				C2027343			
	75 90 green			C0026215 C0026312	C0026316 C0026313	C0026317 C0026419		
	90 white					C0027326		
 Pledgets 3x3mm Firm	75 green				C0026422			
 Pledgets 6x3mm Firm	75 90 green				C0026319 C0026318	C0026162 C0026165		
 Pledgets 6x3mm Soft	75 90 green				C0026594 C0026676			
	4 x 75 8 x 75 4 x 90 green/white				M0027371 M0027791 M0027555	M0027925 M0027686		

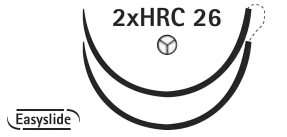

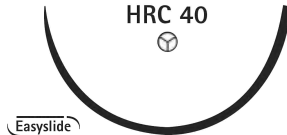
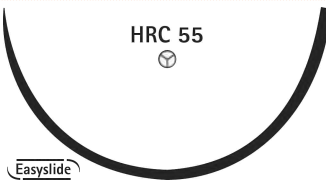



C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm	Thread length cm colour	USP (metric)							
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
1/2 circle round bodied needle with short cutting point									
 	 	8 x 75 green/white				M0027801			
	 	4 x 75 8 x 75 4 x 90 8 x 90 green/white				M0027543 M0027792 M0027685 M0027660	M0027859 M0027687 M0027661		
		 	4 x 75 8 x 75 8 x 90 green/white				M0027843 M0027845 M0027531		
			 	75 120 green				C2026634 C2026957	C2026960
				 	75 75 green				C2026643 C2026650
		75 90 green						C0026634 C0026180	C0026320 C0026168
				75 90 green				C0026643 C0026181	C0026644 C0026169
				75 green				C0026650	
	 		4 x 75 8 x 75 4 x 90 green/white				M0027425 M0027465 M0027569		
		 	4 x 75 8 x 75 4 x 90 green/white				M0027424 M0027451 M0027003	M0027858	
			 	4 x 75 8 x 75 4 x 90 green/white				M0027443 M0027471 M0027565	
















# 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								
 2xHRC 26 EasySlide	 2 x 90 green/white				B0027885			
 HRC 40 EasySlide	75 green							C0026260
Needle length mm	Thread length cm colour	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)
 HRC 55 EasySlide	4 x 75 green				G0026114			
Needle length mm	Thread 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)
3/8 circle round bodied needle with short cutting point								
 DRC 12 CV Pass	75 green	C0026352						

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



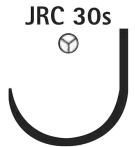





Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
3/8 circle round bodied needle with short cutting point								
	75 green				C2026465	C2026466		
	 Pledgets 3x3mm Firm 75 green					C2026476		
	 Pledgets 3x3mm Soft 75 green					C2026636		
	75 green				C0026465	C0026466		
	 Pledgets 3x3mm Firm 75 green					C0026476		
	 Pledgets 3x3mm Soft 75 green					C0026636		
	4 x 75 8 x 75 8 x 90 green/white					M0027601 M0027311 M0027941		
	 Pledgets 3x3mm Firm 4 x 75 8 x 75 green/white					M0027600 M0027310		
	 Pledgets 6x3mm Firm 8 x 75 8 x 90 green/white					M0027312 M0027935		
	 Pledgets 3x3mm Soft 4 x 75 8 x 75 green/white					M0027394 M0027507		
	 Pledgets 6x3mm Soft 4 x 90 8 x 90 green/white					M0027513 M0027519		



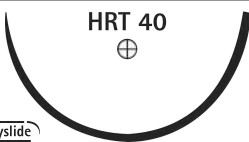
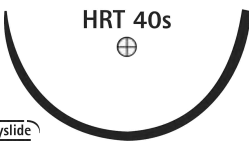
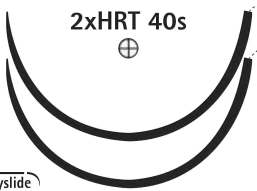
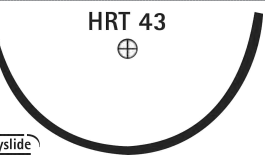

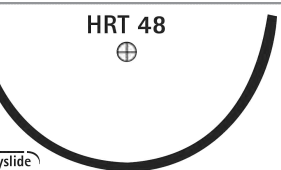


# PremiCron®

## Needle-thread combination

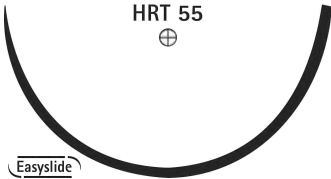
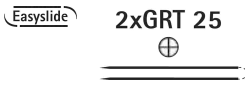


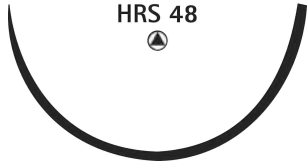
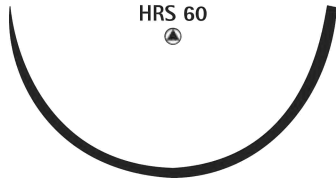
Needle	Thread	USP (metric)								
		length mm	length cm	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
<b>3/8 circle round bodied needle with short cutting point</b>										
 <p>2xDRC 18b</p>	  Pledgets 6x3mm Firm	75 green						C2026161		
	  Pledgets 6x3mm Soft	75 green						C2026184		
	 Pledgets 6x3mm Firm	75 green						C0026161		
	 Pledgets 6x3mm Soft	75 green						C0026184		
	  Pledgets 6x3mm Firm	4 x 75 8 x 75 green/white						M0027002 M0027046		
	  Pledgets 6x3mm Soft	4 x 75 8 x 75 green/white						M0027013 M0027079		
<b>Hook round bodied needle with short cutting point</b>										
 <p>JRC 30s</p>		75 green								C0026987
<b>Progressive curved round bodied needle with short cutting point</b>										
 <p>PRC 24</p>		120 green						C0026102	C0026099	
<b>1/2 circle round bodied needle with trocar point</b>										
 <p>HRT 30s</p>		75 90 green							C0026689	C0026920
 <p>HRT 37</p>		75 green							C0026392	C0026393

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)						
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)
1/2 circle round bodied needle with trocar point								
 HRT 37 ⊕ EasySlide	75 4 x 75 green				C0026394 B0026717			
 2xHRT 37 ⊕ EasySlide	90 green	C0026458						
 HRT 40 ⊕ EasySlide	75 4 x 75 green		C0026401		B0026044			G0026076
 HRT 40s ⊕ EasySlide	75 green				C0026395			
 2xHRT 40s ⊕ EasySlide Multi pack	4 x 75 green				M0026503			
 HRT 43 ⊕ EasySlide	4 x 75 green				B0026718			
 HRT 43s ⊕ EasySlide	75 green				C0026781			
 HRT 48 ⊕ EasySlide	75 4 x 75 green				C0026097 B0026880			G0026148 G0026081

# PremiCron®

## Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)						
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)
1/2 circle round bodied needle with trocar point								
 HRT 55 ⊕	75 4 x 75 green							
								G0026146 G0026723
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)
Straight round bodied needle with trocar point								
 2xGRT 25 ⊕	45 green						C0026833	
3/8 circle round bodied needle with micro trocar point								
 DRTM 8 ⊕	45 green							
					C0026368			
Needle length mm	Thread length cm colour	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 75 green							
				B0026766				
 HRS 48 ▲	4 x 75 green							
				B0026767		G0026702		
 HRS 60 ▲	4 x 75 green							
						G0026705		

C Box of 36 units

B Box of 24 units







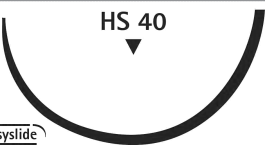



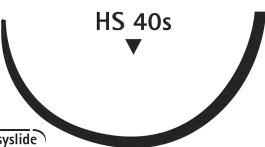

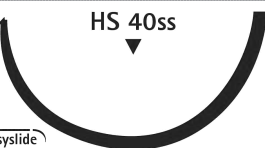

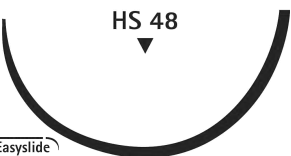

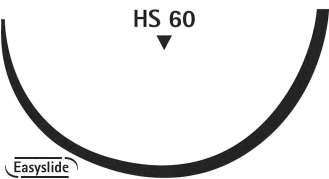

G Box of 12 units

M Box of 6 units

Needle		Thread 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)	
1/2 circle reverse cutting needle									
Easyslide	HS 15 	45 75 green	C0026196	C0026197 C0026341	C0026198 C0026342				
	HS 21 	45 75 green		C0026199	C0026200 C0026365	C0026366	C0026367		
Easyslide	HS 23 	45 green			C0026202				
Easyslide	HS 23ss 	75 90 green					C0026403	C0026404	C0026405 C0026011
Easyslide	HS 26 	75 green			C0026420	C0026421	C0026423		
Easyslide	HS 26s 	75 green						C0026339	B0026778
Easyslide	HS 26ss 	75 green							C0026371
Easyslide	HS 30 	75 green				C0026541	C0026542	C0026543	C0026544
Needle		Thread length cm colour	USP (metric)						
length mm	0 (3.5)		1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	
Easyslide	HS 30 	75 green				B0026545			
Easyslide	2xHS 30 	75 green			C0026214				

# PremiCron®

## Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)					
		0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)
1/2 circle reverse cutting needle							
 HS 37 	75 green	C0026471	C0026472	C0026473			
 HS 37s 	75 green	C0026467	C0026468	C0026469			
 HS 37ss 	75 green			C0026373			
 HS 40 	75 green		C0026479	C0026480	B0026481		B0026482
 2xHS 40 	45 green						B0026153
 HS 40s 	75 green			C0026390			
 HS 40ss 	75 green		C0026397				
 HS 48 	75 4 x 75 200 green		C0026375 B0120070	C0026376	B0026377		B0026399 G0026203
 HS 60 	75 green						B0026409

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 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 4 x 45 75 green		C0026551	C0026552 C0026185 C0026231	C0026553	C0026554	C0026234	C0026235
	45 4 x 45 white				C0027974 C0027433			
 DS 24	45 75 90 green			C0026514	C0026189 C0026515	C0026190 C0026516	C0026517 C0026340	C0026518
	75 white					C0027965		
 DS 30	75 green					C0026531	C0026532	C0026533

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

 DS 30	75 green				C0026534			
 DS 35	75 green	C0026281	C0026282	C0026283	C0026284			
 DS 39	75 green	C0026329	C0026330	C0026331	C0026332	B0026333		
 DS 48	75 green		C0026353	C0026354	C0026355			



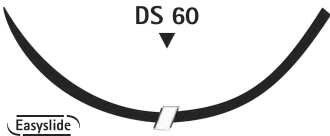
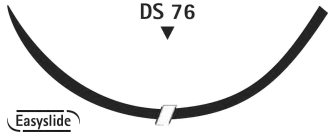
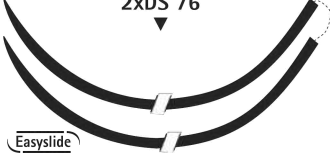
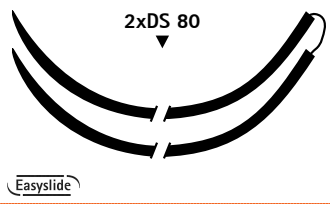



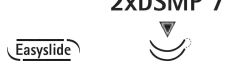
RacePack® packaging



MultiPack packaging













# PremiCron®

## Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)						
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)
<b>3/8 circle reverse cutting needle</b>								
 DS 60 Easyslide	75 green				C0026278	B0026279		
 DS 76 Easyslide	50 50 75 green				B0026205			B0026208 B0026291
 2xDS 76 Easyslide	75 green				B0026220			B0026223
 2xDS 80 Easyslide	75 green							C0026188
Needle length mm	Thread length cm colour	USP (metric)						
<b>Straight reverse cutting needle</b>								
 GS 51 Easyslide	75 green		C0026505	C0026506	C0026507	C0026508	C0026509	
 GS 60 Easyslide	75 90 green		C0026314	C0026315 C0026441	C0026266			
 GS 65 Easyslide	75 green		C0026286	C0026287	C0026288	C0026289		
Needle length mm	Thread length cm colour	USP (metric)						
<b>3/8 circle reverse cutting needle with precision point</b>								
 2xDSMP 7 Easyslide	45 white		C0027074					

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)
3/8 circle reverse cutting needle with precision point								
 <b>2xDSMP 11</b> 	45 white			C0027031				
 <b>DSMP 13</b> 	45 green				C0026193			
 <b>DSMP 19</b> 	45 white			C0027086	C0027087			
 <b>DSMP 19</b> 	45 green				G0026610			
 <b>DSMP 19</b> 	45 white				C0027096	C0027097		
 <b>DSMP 24</b> 	75 white						C0027957	

# PremiCron®

## Needle-thread combination

	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)
Pre-cut sutures								
3 threads of 45 cm	3 x 45 green	C0120090	C0120091	C0120092	C0120093	C0120094	C0120095	C0120096
	Thread length cm colour	USP (metric)						
		0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)
3 threads of 45 cm	3 x 45 green				C0120097			
	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)
5 threads of 45 cm	5 x 45 green	C0120100	C0120101	C0120102	C0120103	C0120104	B0120105	B0120106
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			
13 threads of 60 cm	13 x 60 green			C0120036	C0120037			
2 threads of 75 cm	2 x 75 green			C0120080	C0120081	C0120082	C0120083	C0120084
	Thread length cm colour	USP (metric)						
		1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)
2 threads of 75 cm	2 x 75 green			B0120085		B0120087		
	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)
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	B0120031

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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	Thread length cm colour	USP (metric)						
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)
Pre-cut sutures								
1 thread of 150 cm	1 x 150 green						C0120032	B0120033
5 threads of 45 cm	5 x 45 white				B0102030			
2 threads of 75 cm	2 x 75 white	C0100017		C0100008				
1 thread of 150 cm	1 x 150 white			C0102020	C0102025	C0102035		

# PremiCron®




## Needle-thread combination





	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)
Ligature reels								
1 thread of 250 cm	1 x 250 green	G0120055	G0120056	G0120060	G0120061	G0120062	G0120063	G0120064
	Thread length cm colour	USP (metric)						
		1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)
1 thread of 250 cm	1 x 250 green			G0120065		G0120067		

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

## PremiPatch® PTFE 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



# Dafilon®

## Non-absorbable sutures

### Description

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

### Indication

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



### Advantages

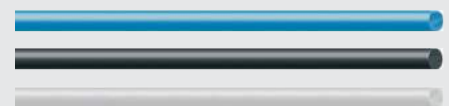
- Flexible, easy to handle and tie
- Smooth passage through tissue
- Excellent histocompatibility

# Dafilon®

## Product overview

Structure

Monofilament



Colour

Blue, black or undyed

Chemical composition

Polyamide

Coating

Uncoated

Origin

Synthetic

Sizes

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














Type of degradation

Non-absorbable

Sterilisation














Ethylene oxide / Gamma-irradiation

## Needle-thread combination














Needle			Thread	USP (metric)							
length mm	angle	diameter microns		length cm	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)
1/2 circle round bodied needle micro needle											
			8 black	G1118374							
	180°	70µ									
			15 black					G1118030			
	180°	140µ									
3/8 circle round bodied needle micro needle											
			5 10 15 black	G1118064 G1118366	G1118072						
	135°	50µ									
			10 black	G1118080	G1118099						
	135°	70µ									
			10 black		G1118129	G1118137	G1118138				
	135°	140µ									
			15 black		G1118110	G1111434					
	135°	100µ									
			15 black		G1118250						
	135°	100µ									
			15 black		G1118013	G1118161	G1118170				
	135°	140µ									
			15 30 black			G1118025 G1118535					
	135°	140µ									
Progressive curved round bodied needle micro needle											
			8 black		G1118463						
	95°/ 100°	70µ									
			13 black			G1118471					
	100°/ 90°	100µ									
			15 black				G1118390				
	100°/ 95°	140µ									
3/8 circle round bodied needle with short cutting point (mic)											
			15 black		G1118048						
	135°	100µ									

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	angle	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)
3/8 circle round bodied needle with short cutting point (mic)											
<b>2xDRCm 4</b> 				15 black		G1118404					
	135°	140µ									
<b>DRCm 5</b> 				15 black			G1111140				
	135°	100µ									
<b>2xDRCm 6</b> 				15 black				G1118455			
	135°	140µ									
Progressive curved round bodied needle with short cutting point (mic)											
<b>PRCm 4</b> 				8 black		G1118552					
	95°/ 100°	70µ									
<b>PRCm 5</b> 				8 13 black		G1118412		G1118420			
	100°/ 90°	100µ									
<b>2xPRCm 5</b> 				3 black		G1118447					
	100°/ 90°	100µ									
<b>PRCm 6</b> 				15 black				G1118439			
	100°/ 95°	140µ									
1/2 circle lancet micro needle											
<b>HLm 6</b> 				15 30 black		G1118625 G1118641	G1118633 G1118650				
	160°	150µ									
<b>2xHLm 6</b> 				30 black		G1118609	G1118617				
	160°	150µ									
<b>HLm 8</b> 				15 black				G1118560			
	175°	200µ									
<b>2xHLm 8</b> 				30 black		G1118737	G1118738	G1118530			
	175°	200µ									
3/8 circle lancet micro needle											
<b>DLm 4</b> 				15 black	G1110012	G1110020					
	135°	125µ									
<b>DLm 5</b> 				15 30 black		G1118684 G1118838		G1111693			
	140°	150µ									

## Needle-thread combination














Needle			Thread	USP (metric)								
length mm	angle	diameter microns		length cm	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)	
3/8 circle lancet micro needle												
<b>2xDLm 5</b> 	140°	150µ	15			G1118540						
			30			G1118862	G1118032					
			black									
<b>DLm 6</b> 	140°	150µ	7			G1118331						
			15			G1118722	G1118730	G1118889				
			30			G1118749	G1118757					
			black									
<b>2xDLm 6</b> 	140°	150µ	5					G1118668				
			15			G1111272						
			30	G1111213	G1118706	G1118714	G1118870					
			black									
<b>DLm 6s</b> 	137°	200µ	15			G1118781	G1118790	G1118579				
			30					G1110250				
			45					G1118854				
			black									
<b>2xDLm 6s</b> 	137°	200µ	30			G1118765	G1118773					
			45					G1111248				
			black									
1/4 circle lancet micro needle												
<b>2xVLM 6s</b> 	97°	200µ	30					G1111337				
			black									
1/8 circle lancet micro needle												
<b>SLm 6</b> 	44°	150µ	8			G1110055						
			black									
Progressive curved lancet micro needle												
<b>PLm 5</b> 	90°/50°	150µ	12			G1110802						
			black									
<b>2xPLm 5</b> 	90°/50°	150µ	20			G1111922						
			30			G1110326						
			black									
1/2 circle lancet needle with micro-point												
 <b>2xHLM 8</b> 			45								G0938210	
			blue									
1/4 circle lancet needle with micro-point												
 <b>VLM 8</b> 			20								C0970008	
			black									

C Box of 36 units






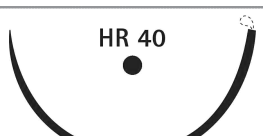


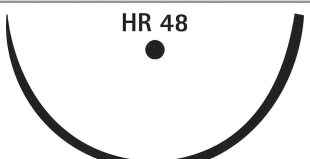
B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)						
		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)
1/4 circle lancet needle with micro-point								
 <b>2xVLM 8</b> 	45 blue							C0938106
1/2 circle round bodied needle								
<b>HR 10</b> 	45 blue							C0930786
<b>2xHR 17</b> 	75 blue							C0938248
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)
<b>HR 22</b> 	75 blue	C0930210						
<b>HR 26</b> 	75 blue			C0930423	C0930431			
<b>2xHR 26</b> 	75 blue	C0935677						
 <b>HR 26s</b> 	75 blue			C0930158				
<b>HR 26ss</b> 	100 blue				C0934455			
<b>HR 30</b> 	75 100 blue			C0930474 C0930601	C0930482	C0930490 C0930628		
 <b>HR 30</b>  loop	150 150 blue			C0937614	C0933490			

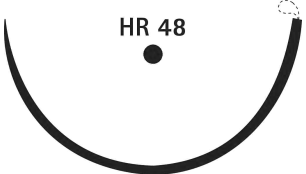

## Needle-thread combination

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 30s	100 blue				C0934860			
 HR 37	75 blue		C0930701					
 HR 37s	75 100 blue					C0930760 C0935739		
 HR 37s	150 blue						B0935769	
 HR 40	75 100 blue				C0930539 C0934828	C0935549		
 HR 40	150 150 blue				C0934534		B0934552	
 HR 40s	75 100 120 blue			C0935747	C0934844 C0935584	B0935743		
 HR 43s	75 100 blue				C0930962	C0930970 C0934976	C0930989	
 HR 48	75 90 100 blue					C0930741 C0935727	C0930750 C0930010	

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

 <p><b>HR 48</b></p>	150							
	200 blue				C0933589	B0933570 B0933619		
 <p><b>HR 65</b></p>	150							
	blue					B0934713	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)

3/8 circle round bodied needle

 <p><b>DR 6</b></p>	15	G1110740						
	black							
 <p><b>DR 12</b></p>	75							
	blue				C0931071			
 <p><b>DR 22</b></p>	75							
	blue					C0935285	C0935294	C0935296

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)

Straight round bodied needle


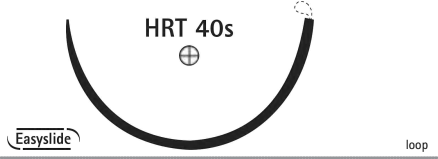
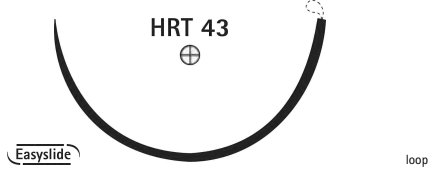
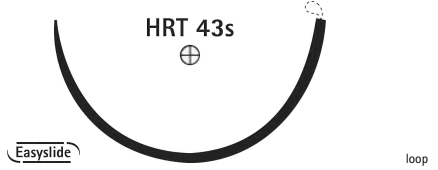
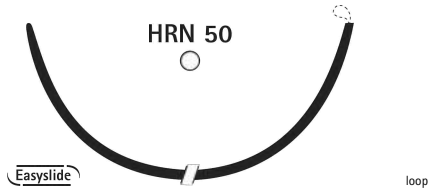



 <p><b>2xGR 65</b></p>	75							
	90 90 blue			C0938505	B0932730			B0930192
 <p><b>2xGR 75</b></p>	75							
	blue			C0930040				

1/2 circle round bodied needle with trocar point

 <p><b>HRT 17</b></p>	75							
undyed			C0916148					

# Dafilon®











## 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 with trocar point								
 HRT 26	75 blue		C0930139					
 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	
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 reverse cutting needle								
 HS 15	45 60 75 blue	C0936028					C0935410	
 HS 18	90 blue						C0936664	
 HS 21	45 75 90 blue						C0932863 C0932873	

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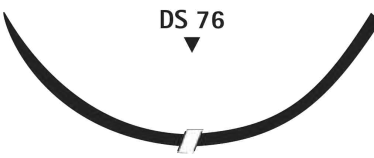
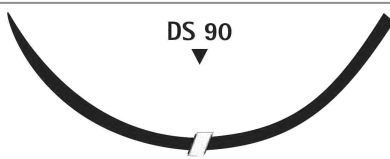
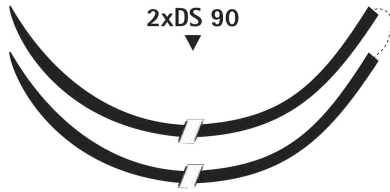





Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle reverse cutting needle								
<b>HS 26</b> 	45		C0934406					
	75			C0935948	C0935963	C0935964		
	90				C0932957	C0934968	C0932973	
	blue							
<b>HS 30</b> 	75						C0935002	C0935034
	90				C0934003	C0934011	C0934020	C0934038
blue								
<b>HS 37</b> 	90					C0934054		C0934046
blue								
<b>HS 40</b> 	75						C0932760	C0932779
	90							C0932787
	100						C0934585	
blue								
<b>HS 40</b> 	150							B0934518
	blue							
<b>HS 40s</b> 	120						B0932769	
	blue							
<b>HS 48</b> 	75						C0932612	C0932620
blue								
Needle length mm	Thread length cm colour	USP (metric)						
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)
<b>HS 48</b> 	75				C0933159			
	90							
	100			C0932604				
	blue			B0935620				

## 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 reverse cutting needle								
DS 9 	45 blue	C0932019	C0932020					
DS 12 	45 60 75 75 90 blue	C0932060 C0935042 C0934061	C0932078 C0935050 C0934070 C0934067	C0932086 C0935069				
DS 16 	45 60 75 90 blue	C0932116 C0932108 C0935115	C0932124 C0935123 C0935254	C0932132 C0935131 C0930165	C0932140 C0935107			
DS 19 	45 75 90 blue		C0932191 C0935190 C0935255	C0932205 C0935204 C0935220	C0932213 C0935212 C0935239	C0932221 C0935213 C0935247	C0935181	
DS 24 	45 75 90 blue		C0932317	C0932345 C0935344 C0935310	C0932353 C0935352 C0935328	C0932361 C0935360 C0935336	C0932370 C0935379	C0935380
DS 30 	45 75 90 blue			C0932441 C0932450	C0932469 C0935468 C0934410	C0932477 C0935476 C0935522	C0932485 C0935484 C0934391	C0932493 C0935492 C0934429
DS 35 	75 90 blue				C0934780	C0932809 C0934801	C0934810	C0930095 C0934836
Needle length mm	Thread length cm colour	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
DS 35 	90 blue							C0934832
DS 39 	45 75 90 blue		C0932531	C0932540	C0932545 C0932558 C0934569	C0932566 C0934573	C0932574 C0934577	C0934579
DS 45 	75 100 blue				C0932850 C0935859			

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)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
<b>3/8 circle reverse cutting needle</b>								
 <b>DS 48</b>	75				C0932582			C0931640
	90 100 blue				C0932784		C0934224	
 <b>DS 60</b>	100			B0935890				
	100 blue				B0935905	B0935913	B0935915	B0935914
 <b>DS 76</b>	50							C0932650
	3 x 50							B0935910
	75 100 blue			C0932272	C0932280			C0931641
	50 black							C0972650
 <b>DS 90</b>	3 x 50							
	100 blue			C0934916	C0934917	C0934909	G0930182 C0934925	C0934933
 <b>2xDS 90</b>	75							
	100 blue						C0938920 C0938905	
<b>Straight reverse cutting needle</b>								
 <b>GS 40</b>	90		C0931056					
	blue							
 <b>GS 45</b>	45			C0932736				
	blue							
 <b>GS 51</b>	75					C0935530		
	90		C0935590	C0935603	C0935611	C0935565	C0935573	
	blue							
 <b>GS 60</b>	75			C0912224				
	undyed							
	75		C0932647	C0932655	C0932663			
	90			C0934658	C0934690	C0934691		
	blue							
 <b>GS 65</b>	90		C0935557	C0935646	C0935654			
	blue						C0935735	

## 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)
Straight reverse cutting needle								
<b>GS 75</b> 	75 blue					C0932710		
1/2 circle reverse cutting needle with precision point								
<b>HSMP 12</b>  <small>Easyslide</small>	45 blue	C0932998						
<b>HSMP 15</b>  <small>Easyslide</small>	45 undyed	C0916618	C0916626					
	45 blue	C0936618	C0936626	C0935418				
3/8 circle reverse cutting needle with precision point								
<b>DSMP 7</b>  <small>Easyslide</small>	45 blue		C0930018					
	45 black	C0977225						
<b>DSMP 9</b>  <small>Easyslide</small>	45 blue			C0936122				
<b>DSMP 11</b>  <small>Easyslide</small>	45 undyed		C0916122 C0916022					
	45 blue		C0936022	C0936014				
	45 black	C0977212						
<b>DSMP 13</b>  <small>Easyslide</small>	45 undyed		C0916081	C0916133 C0916033	C0916134 C0916034			
	45 blue		C0936081	C0936090	C0936103			
	45 undyed		C0912242	C0916143 C0916043	C0916144 C0916044			
<b>DSMP 16</b>  <small>Easyslide</small>	45 undyed		C0936146	C0936154	C0936162			
	75 undyed		C0936143	C0936650				
	45 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)						
		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								
 <b>DSMP 19</b> 	45			C0912247	C0916154	C0916155		
	75 undyed				C0916054	C0916055		
 <b>DSMP 24</b> 	45		C0936226	C0936227	C0936235	C0936243	C0936251	
	75 blue				C0936731	C0936740		
 <b>DSMP 24s</b> 	45		C0936280	C0936294	C0916308	C0916165		
	75 undyed				C0916054	C0916065		
 <b>DSMP 30</b> 	45				C0936839	C0936812	C0936820	
	75 blue							
 <b>DSMP 39</b> 	75					C0936814		
	75 blue	135°			C0932452	C0936952		
	75						C0934570	
	75 blue							

## Needle-thread combination

	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)
Pre-cut sutures								
3 threads of 45 cm	3 x 45 blue			C0436275	C0436283			
2 threads of 100 cm	2 x 100 blue	C0431249	C0431257	C0431265	C0431273	C0431290	B0431303	
1 thread of 150 cm	1 x 150 blue	C0432040	C0432059	C0432067	C0432075			
Ligature reels								
1 thread of 250 cm	1 x 250 blue		G0436005	G0436006				
Pre-cut sutures								
6 threads of 45 cm	6 x 45 blue	B0436532	B0436533	B0436534	B0436535	B0436536	B0436537	B0436538
	Thread length cm colour	USP (metric)						
		2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)
6 threads of 45 cm	6 x 45 blue				B0436540			
	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)
10 threads of 45 cm	10 x 45 blue	B0436650	B0436658	B0436675				
6 threads of 60 cm	6 x 60 blue			B0436500			B0436503	B0436504

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

# Trelon®

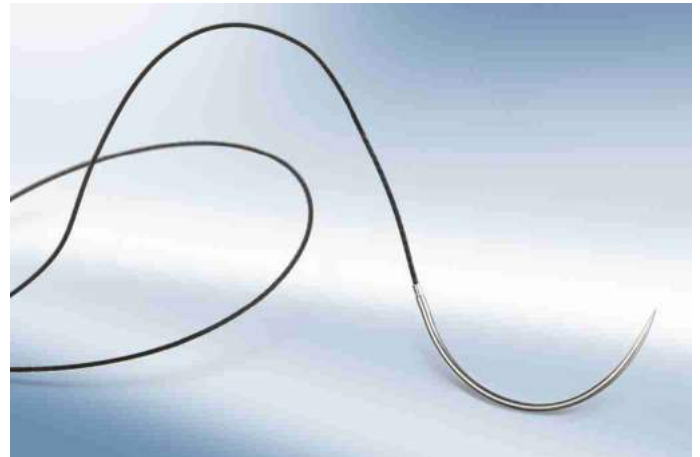
## Non-absorbable sutures

### Description

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

### Indication

- General surgery
- Neurosurgery



### Advantages

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

# Trelon®

## Product overview

Structure

Braided



Colour

Black

Chemical composition

Polyamide

Coating

Silicone

Origin

Synthetic

Sizes

USP 6/0 (metric 0.7) to USP 3 (metric 6)







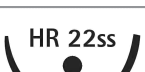




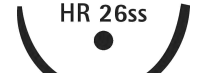
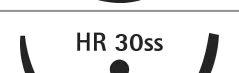
Type of degradation

Non-absorbable



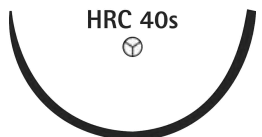





Sterilisation

Gamma-irradiation








## 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										
	8 x 45 black			M0790145						
 take off	8 x 45 black			M0790135						
	8 x 45 black			M0790165						
 take off	8 x 45 black				M0790176					
	75 8 x 75 black					C0790415 M0790436				
 take off	8 x 45 8 x 75 black				M0790185	M0790435				
 take off	8 x 45 black						M0790446			
	75 8 x 75 black					C0790225 M0790559				
 take off	8 x 45 8 x 75 black				M0790205 M0790215	M0790206 M0790216				
 take off	8 x 45 black					M0790235	M0790236			
 take off	8 x 45 black					M0790245				
 take off	8 x 45 black						M0790256			
	75 black						C0790296	C0790295		

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)
1/2 circle round bodied needle									
 HR 37s take off	8 x 45 black					M0790275	M0790276	M0790285	
 HR 48 take off	8 x 45 black							M0790305	
1/2 circle round bodied needle with short cutting point									
 HRC 40s	100 black							C0790319	
1/2 circle round bodied needle with trocar point									
 HRT 40s	100 black							C0790315	
1/2 circle reverse cutting needle									
 HS 23ss	75 black							C0790345	
 HS 40s	45 120 black					C0790385		B0790495	
 HS 40ss take off	3 x 45 black							M0790395	
3/8 circle reverse cutting needle									
 DS 19	45 black			C0790006					

## 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 24 take off	8 x 45 black			M0790015						
 DS 30	45 black						C0790046			
 DS 30 take off	8 x 45 black					M0790475				
 DS 39	75 black						C0790056			
3/8 circle reverse cutting needle with precision point										
 DSMP 11 Easyslide	45 black	C0790065								
 DSMP 13 Easyslide	8 x 45 black			M0790085						
 DSMP 19 Easyslide	45 black			C0790095	C0790425					



	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	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			B0780002	B0780005	B0780008	B0780007		
2 threads of 75 cm	2 x 75 black		C0780053	C0780054	C0780055	C0780056	C0780057	C0780058	B0780059
7 threads of 75 cm	7 x 75 black					B0780090			
10 threads of 75 cm	10 x 75 black			C0780015	C0780016	B0780017	B0780018		
1 thread of 100 cm	1 x 100 black			C0780110	C0780108				
1 thread of 150 cm	1 x 150 black	C0780040	C0780041	C0780042	C0780043		C0780045	C0780046	C0780047
Ligature reels									
1 thread of 250 cm	1 x 250 black		G0780099	G0780100	G0780101	G0780102	G0780103	G0780104	



# Supramid

## Non-absorbable sutures

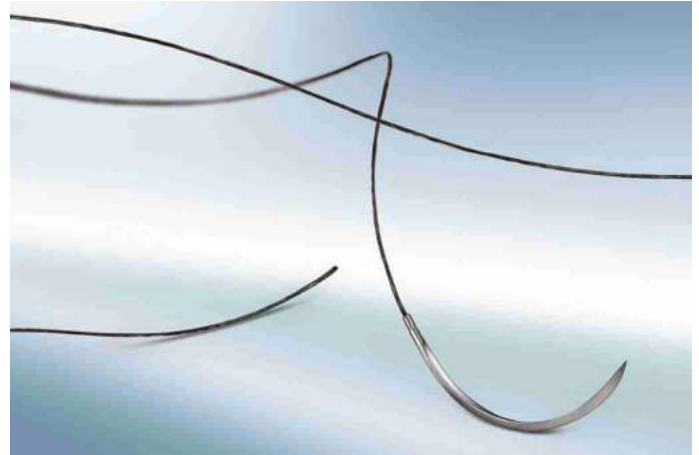
### Description

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 USP 3 to 4/0.
- Supramid monofilament is made of polyamide 6 with a range from USP 5/0 to 6/0.

### Indication

- Skin closure



### Advantages

- Exceptional handling qualities due to combined benefits of monofilament and 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 4/0 - 3)



Colour Black or white

Chemical composition Polyamide

Coating Uncoated

Origin Synthetic















Sizes USP 6/0 (metric 0.7) to USP 3 (metric 6)

Type of degradation Non-absorbable

Sterilisation Gamma-irradiation

# Supramid

## Needle-thread combination







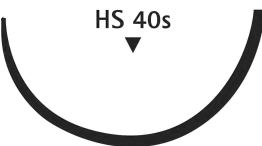
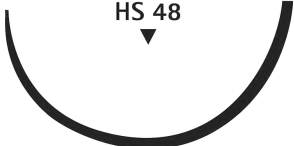


Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
1/4 circle lancet needle with micro-point										
 <b>VLM 8</b> 	20 white			G0690008						
 <b>2xVLM 8</b> 	45 white		G0698642	G0698643						
1/2 circle round bodied needle										
<b>HR 17</b> 	75 black			C0710130	C0710148					
<b>HR 22</b> 	75 black				C0710245					
<b>HR 26</b> 	75 white				C0690368					
<b>HR 30</b> 	75 black					C0710474				
	75 white				C0690457	C0690465				C0690481
<b>HR 37</b> 	75 white				C0690503					
3/8 circle round bodied needle										
<b>DR 15</b> 	75 white			C0691097	C0691098					
Straight round bodied needle										
<b>GR 19</b> 	45 black			C0711292	C0711306					
1/2 circle round bodied needle with trocar point										
 <b>HRT 17</b> 	75 black				G0715140					
1/2 circle reverse cutting needle										
<b>HS 15</b> 	45 black		C0712035	C0712043	C0712051					

C Box of 36 units

B Box of 24 units










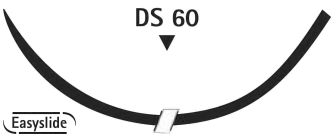


G Box of 12 units

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									
 <b>HS 21</b>	45 black		C0712248	C0712256	C0712264				
	45 75 white				C0692263 C0692719				
 <b>HS 23</b>	45 black				C0712302				
 <b>HS 26</b>	75 black				C0712418	C0712426	C0712434		
 <b>HS 26s</b>	75 black							C0712442	
 <b>HS 30</b>	75 white					C0692689			
 <b>HS 37</b>	75 white						C0692549		
 <b>HS 40s</b>	120 white							C0694770	
 <b>HS 48</b>	75 white							C0692859	
3/8 circle reverse cutting needle									
 <b>DS 12</b>	45 75 black	C0712060	C0712078 C0714070	C0712086	C0712094				
	45 white		C0692077	C0692085					
 <b>2xDS 12</b>	45 white			C0699403					

# 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										
 <b>DS 16</b>	45	C0712116	C0712124	C0712132	C0712140					
	75 black			C0714135						
	45 white			C0692131	C0692132					
 <b>DS 19f</b> 	45 black			C0714060						
 <b>DS 19</b>	45		C0712191	C0712205	C0712213	C0712221				
	75 black			C0714208	C0714216	C0714224				
	75 white				C0692212					
 <b>DS 24</b>	45			C0712345	C0712353	C0712361	C0712370			
	75 black				C0714356	C0714364	C0714372	C0714380		
	45 white				C0692352					
 <b>DS 30</b>	45				C0712469	C0712477	C0712485	C0712493		
	75 black				C0714461	C0714470	C0714488			
	75 white						C0694487			
 <b>DS 35</b>	75 black					C0712612	C0712507			
	75 white						C0692620			
 <b>DS 39</b>	75 black				C0712540	C0712558	C0712566	C0712574		
 <b>DS 48</b>	75 black									C0712604
 <b>DS 60</b> 	90 100 black								B0715817 B0715827	
Straight reverse cutting needle										
 <b>GS 51</b>	75 black				C0712850					
	75 white				C0692956	C0692964	C0692972			

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)
1/2 circle reverse cutting needle with precision point									
 <b>HSMP 15</b> 	45 black		C0716189						
 <b>HSMP 18</b> 	45 black			C0716219					
3/8 circle reverse cutting needle with precision point									
 <b>DSMP 11</b> 	45 black	C0716073	C0716081						

# Supramid

## Needle-thread combination

	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									
5 threads of 45 cm	5 x 45 black	C0216445	C0216453	C0216461	C0216470				
1 thread of 75 cm	1 x 75 black		C0214051						
5 threads of 75 cm	5 x 75 black					B0214055			
1 thread of 150 cm	1 x 150 black		C0212059	C0212067	C0212075	C0212091	C0212105	B0212113	
5 threads of 45 cm	5 x 45 white		C0196452	C0196460	C0196479	B0196495			
1 thread of 150 cm	1 x 150 white		C0192058	C0192066	C0192074	C0192090	C0192104	C0192112	
Ligature reels									
1 thread of 250 cm	1 x 250 white		G0190225	G0190233	G0190241	G0190250	G0190268	G0190276	

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units



# Dagrofil®

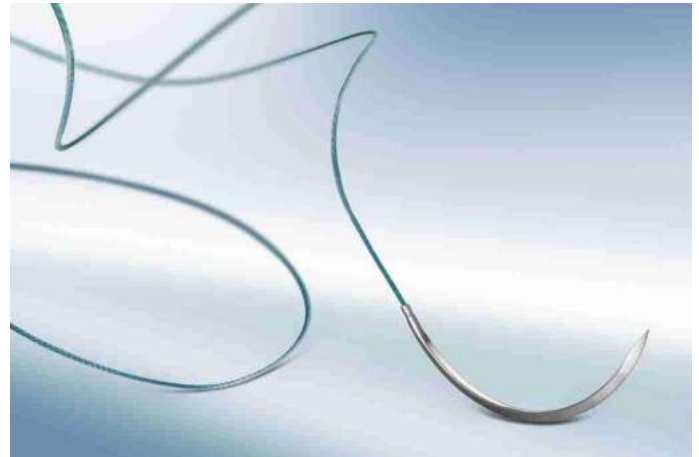
## Non-absorbable sutures

### 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 (metric 0.7) to USP 8 (metric 10)











Type of degradation

Non-absorbable











Sterilisation

Gamma-irradiation




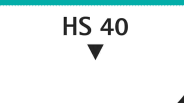






## Needle-thread combination

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)	
<b>1/2 circle lancet needle with micro-point</b>										
<b>2xHLM 8</b> 	45 green			G0848630						
<b>1/4 circle lancet needle with micro-point</b>										
<b>2xVLM 8</b> 	45 green	G0848430	G0848425							
	45 white	C0858430	G0858420	G0858630						
<b>1/2 circle round bodied needle</b>										
<b>HR 17</b> 	75 green			C0840130	C0840149					
	75 white			C0850136	C0850144					
<b>HR 22</b> 	75 green			C0840297	C0840300	C0840319				
<b>HR 26</b> 	75 green				C0840416	C0840424	C0840432	C0840491		
	75 white					C0850420				
<b>HR 30</b> 	75 green				C0840467	C0840475	C0840483	C0840556	C0840440	
<b>HR 37</b> 	75 green						C0840521	C0840530		
<b>HR 37s</b> 	75 green						C0840522			
<b>HR 48</b>  <small>take off</small>	4 x 45 green								B0840100	
<b>3/8 circle round bodied needle</b>										
<b>2xDR 12</b> 	45 white			C0858188						


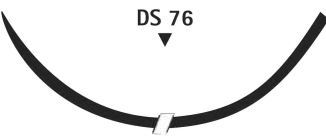


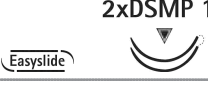
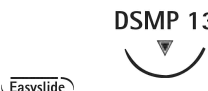
C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
<b>3/8 circle round bodied needle</b>									
 DR 22	75 green								C0841366
 DR 32	75 green					C0841587	C0841595	C0841609	
<b>Straight round bodied needle</b>									
 GR 19	45 green			C0841528					
<b>1/2 circle round bodied needle with short cutting point</b>									
 HRC 17	45 green				C0844149				
 2xHRC 26	90 green					C0849350			
<b>1/2 circle round bodied needle with trocar point</b>									
 2xHRT 26	90 green					C0849383			
<b>1/2 circle reverse cutting needle</b>									
 HS 18	45 green				C0844350				
 HS 21	75 green				C0844535				
 HS 23	45 green				C0842303				
 HS 26	75 green					C0842427	C0842435		

## 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)	
<b>1/2 circle reverse cutting needle</b>										
<b>HS 30</b> 	75 green							C0842249	C0842257	C0842265
<b>HS 37</b> 	75 green								C0842281	
<b>HS 37s</b> 	75 green								C0842273	
Needle length mm	Thread length cm colour	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	
<b>HS 40</b> 	75 green									B0842648
<b>3/8 circle reverse cutting needle</b>										
<b>2xDS 12</b> 	45 white		C0858056							
<b>DS 16</b> 	45	C0842125								
	75 green		C0845198							
<b>DS 19</b> 	45 white		C0852139							
	45 green	C0842192	C0842206	C0842214	C0842222					
<b>DS 24</b> 	45 white			C0852201	C0852210					
	75 green			C0844357	C0844365					
<b>DS 30</b> 	45 white			C0842354	C0842362					
	75 green			C0854352	C0850400					
<b>DS 30</b> 	75 green					C0842478	C0842486	C0842494		

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)								
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	
<b>3/8 circle reverse cutting needle</b>										
 DS 39	75 green					C0842583	C0842591			
 DS 76	50 green							C0842180		
<b>Straight reverse cutting needle</b>										
 GS 60	75 green				C0842664					
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)	
<b>3/8 circle reverse cutting needle with precision point</b>										
 DSMP 11 <small>Easyslide</small>	45 green			C0846100						
 2xDSMP 11 <small>Easyslide</small>	45 green			C0848060						
 DSMP 13 <small>Easyslide</small>	45 green				C0846198					
	45 white					C0854336				

## Needle-thread combination

	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	C0346640	C0346659	C0346667	B0346675	B0346691			
17 threads of 45 cm	17 x 45 green			C0346861	B0346870				
2 threads of 75 cm	2 x 75 green			C0344060	C0344079	C0344095	C0344109	B0344117	
1 thread of 150 cm	1 x 150 green		C0342050	C0342068	C0342076	C0342092	C0342106	C0342114	C0342122
	Thread length cm colour	USP (metric)							
		2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)	9 (11)
1 thread of 150 cm	1 x 150 green				B0342130	B0342149		B0342160	
1 thread of 150 cm	1 x 150 white	C0372102							
	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	G0341223	G0341231	G0341240	G0341258	G0341266	G0341274	G0341282
1 thread of 250 cm	1 x 250 white		G0371243	G0371244	G0371245	G0371246	G0371247		

# 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, white and blue.

### Indication

- General surgery
- Skin closure
- Oral surgery
- Neurosurgery
- Ligatures



### Advantages

- Excellent handling properties
- Good knot security

## Silkam®

### Product overview

Structure

Braided



Colour

Black or white

Chemical composition

Natural silk filaments

Coating

Wax and silicone

Origin

Natural

Sizes

USP 8/0 (metric 0.4) to USP 6 (metric 8)














Type of degradation

Non-absorbable

Sterilisation










Gamma-irradiation

## Needle-thread combination










angle	Needle		Thread length cm colour	USP (metric)							
	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)
3/8 circle lancet micro needle											
137°	<b>DLM 6s</b> 	200µ	45 black	G0767060							
137°	<b>2xDLM 6s</b> 	200µ	45 black	G0768125							
3/8 circle lancet needle with micro-point											
135°	<b>2xDLM 6</b>  Easyslide		45 black		G0760384						
1/4 circle lancet needle with micro-point											
	<b>2xVLM 8</b>  Easyslide		45 black	G0768758	G0768723	G0768731					
1/2 circle round bodied needle											
	<b>HR 10</b> 		45 75 black		C0760021 C0764043	C0760030 C0764027	C0760048				
	<b>HR 13</b>  Easyslide		8 x 45 black					M0766294			
	<b>HR 13</b> 		45 75 black			C0760072	C0760080 C0764086	C0760099 C0764094			
	<b>HR 13</b>  take off		8 x 45 black				M0766076				
	<b>HR 17</b> 		75 black			C0760129	C0760137	C0760145	C0760153		
	<b>HR 17</b>  take off		8 x 45 black				M0766115				
	<b>2xHR 17</b> 		60 90 black				C0769029	C0769299			
	<b>HR 20</b> 		75 black						C0760242		
	<b>HR 22</b> 		75 90 black			C0760285	C0760293	C0760307 C0765374	C0760315		

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									
 HR 26	45			C0765279					
	75				C0760404	C0760412	C0760420	C0760439	C0760447
	90 black					C0765023	C0765024	C0765378	
 HR 26 take off	4 x 45				C0766498	C0766168	C0766169		
	5 x 45				B0766500	B0766178	B0767027		
	8 x 45					M0766423	M0766426		
	4 x 75						B0767026		
	8 x 75 black						M0766445		
 2xHR 26	60 black						C0768100		
 HR 26s	75 black								C0760927
 HR 26s take off	4 x 45 black						C0767023		
 HR 30	75 black					C0760463	C0760471	C0760480	C0760498
 HR 30s	75 black								C0760951
Needle length mm	Thread length cm colour	6/0 (0.7)	5/0 (1)	4/0 (1.5)	USP (metric)				
					3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
 HR 30s	75 black								C0760952
 HR 37	75 black				C0760501	C0760510	C0760528	C0760536	C0760544

## 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)
<b>1/2 circle round bodied needle</b>									
 HR 37s	75 black					C0760900	C0760960	C0760978	C0760986
 HR 37s take off	4 x 45 black						B0766485		
 HR 40	75 black					C0770477		C0770493	C0770507
 HR 40s	75 black								C0760560
 HR 48	75 black							C0760625	C0760633
<b>3/8 circle round bodied needle</b>									
 DR 8	45 black	C0766542							
<b>Needle</b>									
<b>Thread</b>									
<b>USP (metric)</b>									
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)	0 (3.5)
 2xDR 8	45 black	C0768529							
 DR 10	45 75 black			C0761010	C0761028 C0761137				
 2xDR 10	45 75 black			C0769126 C0767220					

C Box of 36 units




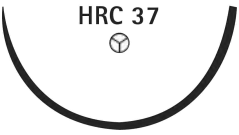




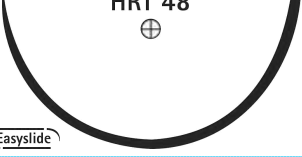

B Box of 24 units

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)
<b>3/8 circle round bodied needle</b>									
DR 12 	30						C0761047		
	45 75 black			C0761060 C0765295	C0761079 C0765309	C0765317	C0765325		
2xDR 12 	45 75 black			C0769215		C0769231	C0769240 C0769193		
DR 13 	75 black			C0761298					
DR 15 	45 75 black				C0761147	C0761133 C0765767		C0761150	
DR 18 	75 black				C0761192	C0761206	C0761214		
2xDR 18 	60 black					C0769578			
DR 22 	75 black						C0761311	C0761273	
DR 32 	75 black						C0761460	C0761478	C0761476
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)
DR 32 	75 black						C0761494	C0761508	
<b>Ski Needle round bodied needle</b>									
Easyslide SKR 19 	20 black			C0764324					
	30 45 black			C0761020	C0764450				
Easyslide SKR 26 									
<b>Straight round bodied needle</b>									
GR 19 	45		C0761290						
	75 black		C0765511						

## 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)	
Straight round bodied needle										
<b>GR 51</b> 	75 90 black				C0765554	C0761613				
1/2 circle round bodied needle with short cutting point										
<b>HRC 17</b> 	4 x 45 75 black		C0760765	C0766506 C0760766	C0760767					
<b>HRC 26</b> 	75 black			C0760739	C0760740					
<b>HRC 37</b> 	75 black					C0760774				
3/8 circle round bodied needle with short cutting point										
<b>DRC 18</b> 	75 black			C0763223						
1/2 circle round bodied needle with trocar point										
<b>HRT 17</b> 	4 x 45 75 black		C0763136	C0766127 C0763144	C0763152					
<b>HRT 26</b> 	75 black			C0763411	C0763420					
<b>HRT 37</b> 	75 black					C0763527				
<b>HRT 48</b>  <small>Easyslide</small>	90 black					C0769100				
3/8 circle round bodied needle with trocar point										
<b>DRT 18</b> 	75 black			C0763217						

C Box of 36 units



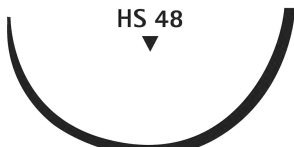







B Box of 24 units

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)
3/8 circle round bodied needle with micro trocar point									
<b>DRTM 8</b> 	45 black	C0766950							
3/8 circle round bodied needle with blunt point									
<b>DRN 16</b> 	45 2 x 45 2 x 75 black					C0766372 C0766390 C0766394			
<b>2xDRN 16</b> 	60 black					G0766380			
1/2 circle reverse cutting needle									
<b>HS 9</b> 	75 black			C0762016					
<b>HS 15</b> 	45 75 black			C0762032 C0765490	C0762040 C0765503	C0762059			
<b>HS 18</b> 	45 black				G0762563	C0762547			
<b>HS 21</b> 	45 75 black			C0762245 C0764876	C0762253 C0764825	C0762261 C0764248	C0762270 C0764175		
<b>HS 23</b> 	45 75 black					C0762300 C0764302	C0762326 C0764303		
<b>HS 26</b> 	45 75 black				C0762407	C0764400 C0762415	C0762423	C0762431	
<b>HS 26s</b> 	75 black								C0762440
<b>HS 30</b> 	75 black					C0764612	C0764779	C0764620	C0764647

## Needle-thread combination











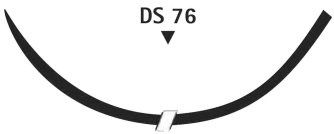
Needle length mm	Thread length cm colour	USP (metric)							
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)
<b>1/2 circle reverse cutting needle</b>									
 HS 30	75 black						C0764698		
 HS 37s	75 black			C0762954	C0764388	C0762970	C0764396		
 HS 48	75 90 black				C0764582 C0764581	C0764590			
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)
<b>3/8 circle reverse cutting needle</b>									
 DS 9	45 black	C0764000	C0762024						
 DS 12	45		C0762067	C0762075	C0762083	C0762091			
	75 black		C0765066	C0765074	C0765082	C0765597			
 DS 12	45 white			C0732079					
 2xDS 12	45 black		C0768464	C0768472	C0768480				
 DS 16	45		C0762113	C0762121	C0762130	C0762148	C0762156		
	75		C0764060	C0764124	C0764132	C0764140	C0764159		
	90 black					C0764064			
 2xDS 16	45					C0767840			
	75 black						C0767158		
 DS 19	45			C0762199	C0762202	C0762210	C0762229		
	75		C0765171	C0765198	C0765201	C0765210	C0765228	C0765236	C0762384
	90 black				C0765203	C0765212	C0764069		C0761998
	45 white					C0730010			

C Box of 36 units

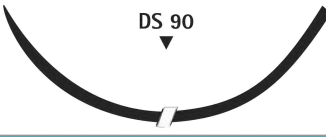


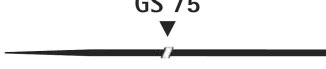
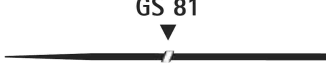





B Box of 24 units

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)
3/8 circle reverse cutting needle									
DS 24 	45			C0765120	C0765090	C0765104	C0765112		C0765117
	75 90 black				C0762342	C0762350	C0762369	C0762377	C0761999
	45 white					C0732354			
DS 30 	45						C0765473	C0765481	
	75 black					C0762466	C0762474	C0762482	C0762490
Needle length mm	Thread length cm colour	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
DS 30 	75 black							C0762504	
DS 30 	4 x 45 black take off				C0766850				
DS 35 	75 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				

## 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)	
<b>3/8 circle reverse cutting needle</b>										
 <b>DS 90</b>	75									
	100 black				C0764906	C0764914	C0764922	C0764973 C0764924		
<b>Straight reverse cutting needle</b>										
 <b>GS 51</b>	75		C0764655	C0762741	C0762750	C0762760	C0762768			
	100 black			C0764787	C0764990	C0765031				
 <b>GS 60</b>	70						G0764690			
	75		C0762644	C0762652	C0762660	C0762679	C0764690			
	3 x 75 100 black			B0762669 C0764744	C0764752	C0764760	B0764762			
 <b>GS 75</b>	75				C0762709	C0762717				
	100 black			C0765694	C0764728	C0764710				
 <b>GS 81</b>	100				C0764957	C0765163				
	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)	
<b>1/2 circle reverse cutting needle with precision point</b>										
 <b>2xHSMP 7</b>	45 blue	C0737470								
	45 black				C0768790					
 <b>HSMP 9</b>	45 black					C0766135				
 <b>2xHSMP 9</b>	45 black			C0768818						
 <b>HSMP 15</b>	45 black			C0766136	C0766137	C0766138				
<b>3/8 circle reverse cutting needle with precision point</b>										
 <b>DSMP 6</b>	45 blue	C0736023								
	45 black	C0766020								



























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									
 <b>2xDSMP 6</b> 	45 black	C0768022							
 <b>DSMP 7</b> 	45 black		C0766038	C0766046					
 <b>2xDSMP 7</b> 	45 black		C0768073	C0768065					
 <b>DSMP 11</b> 	45 black			C0766070	C0766089				
 <b>2xDSMP 11</b> 	45 black		C0768260	C0768278					
 <b>DSMP 13</b> 	45 75 black			C0766186	C0766194 C0764191	C0766208			
 <b>2xDSMP 13</b> 	45 black					C0768863			
 <b>DSMP 16</b> 	45 75 black			C0766216	C0766224	C0766232 C0764230			
 <b>2xDSMP 16</b> 	45 black					C0767239			
 <b>DSMP 19</b> 	45 black				C0766704	C0766682	C0766690	C0766700	
 <b>DSMP 24</b> 	45 75 black					C0766262	C0766275	C0766283 C0766049	
 <b>DSMP 30</b> 	75 black								C0762486
 <b>DSMP 39</b> 	75 black							C0766654	

## Needle-thread combination

	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 (#2041)	5 x 45 black			C0266450	C0266469	C0266477	B0266493	B0266507	
10 threads of 45 cm (#2042)	10 x 45 black	C0266639	C0266647	C0266655	C0266663	B0266671	B0266698		
12 threads of 45 cm (#2043)	12 x 45 black		C0268640	C0268658	C0268666				
	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)
17 threads of 45 cm (#2044)	17 x 45 black	C0266825		C0266841	C0266850	C0266868	B0266876	B0266892	
5 threads of 60 cm (#2045)	5 x 60 black						C0265373		
10 threads of 60 cm (#2046)	10 x 60 black					C0263664	B0263672	B0263680	
13 threads of 60 cm (#2047)	13 x 60 black			C0263842	C0263850	C0263869	B0263877	B0263893	B0263907
15 threads of 60 cm (#2048)	15 x 60 black			C0284840	C0284858	C0284866	C0284874	B0284890	B0284904
1 thread of 75 cm (#2049)	1 x 75 black				C0265152	C0265160	C0265179		
2 threads of 75 cm (#2050)	2 x 75 black					C0264067	C0264075	C0264091	C0264105
	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)
2 threads of 75 cm (#2051)	2 x 75 black							B0264113	
5 threads of 75 cm (#2052)	5 x 75 black	C0264440	C0264458	C0264466	C0264474	B0264490	B0264504		
10 threads of 75 cm (#2053)	10 x 75 black	C0264644	C0264652	C0264660	B0264679	C0264695	B0264696		
1 thread of 150 cm (#2054)	1 x 150 black	C0262048	C0262056	C0262064	C0262072	C0262099	C0262102	C0262110	C0262129
	Thread length cm colour	USP (metric)							
		1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)
1 thread of 150 cm (#2055)	1 x 150 black					B0262137	B0262145		

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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	Thread length cm colour	USP (metric)							
		1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)
Pre-cut sutures									
2 threads of 150 cm	2 x 150 black		B0262609			B0262138			
	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)
1 thread of 180 cm	1 x 180 black		C0268054	C0268062	C0268070	C0268097			
1 thread of 150 cm	1 x 150 white			C0232068				C0232114	
	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 black	G0260410	G0260428	G0260436	G0260444	G0260452	G0260460	G0260479	
	Thread length cm colour	USP (metric)							
		0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)
1 thread of 250 cm	1 x 250 black						G0260487		
1 thread of 250 cm	1 x 250 white			G0230260			G0230286		



# Steelex<sup>®</sup>

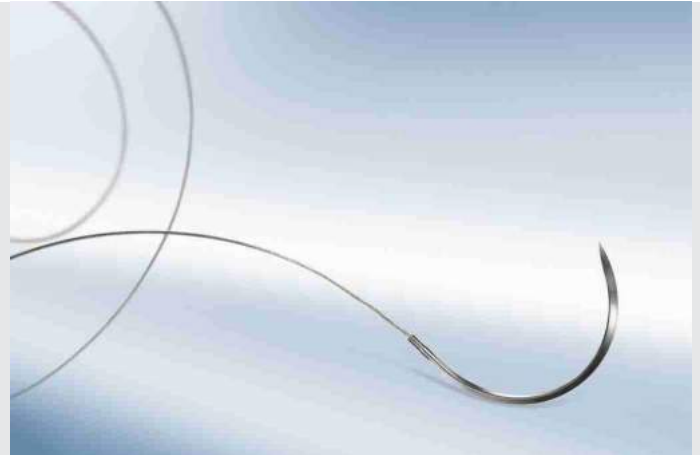
## Non-absorbable sutures

### Description

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

### Indication

- Orthopaedics
- Sternal Closure



### Advantages

- Exceptional tensile strength
- Excellent tissue compatibility

## Steelex<sup>®</sup>

### Product overview

Structure

Monofilament, twisted



Colour

Metallic

Chemical composition

Stainless steel

Coating

Uncoated

Origin

Metal

Sizes

USP 5/0 (metric 1) to USP 7 (metric 9)









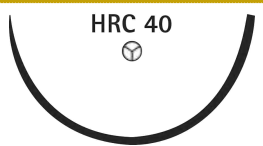
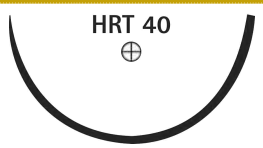


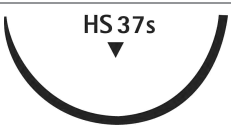
Type of degradation

Non-absorbable

Sterilisation

Gamma-irradiation

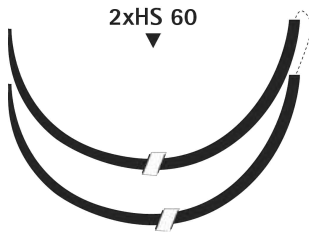
## Needle-thread combination

Needle length mm	Thread length cm structure	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
<b>1/2 circle round bodied needle</b>								
HR 17 	 4 x 75 Monofilament				G0592545			
HR 22 	75 Twisted	G0610283						
HR 26 	 4 x 45 Monofilament					G0593019	G0593020	
HR 30 	75 Twisted			G0610461				
HR 37ss 	 4 x 45 Monofilament						G0593052	
<b>1/2 circle round bodied needle with short cutting point</b>								
HRC 40 	45 Twisted						G0613416	
<b>1/2 circle round bodied needle with trocar point</b>								
HRT 40 	45 Twisted						G0613410	
<b>1/2 circle reverse cutting needle</b>								
HS 26 	45 Twisted			G0612413				
HS 26s 	45 Monofilament						G0593508	
HS 37s 	60 75 Monofilament				G0595950	G0592960		

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 structure	USP (metric)						
		2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)

1/2 circle reverse cutting needle



75  
Monofilament

G0599530

Needle length mm	Thread length cm structure	USP (metric)						
		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  
Twisted  
75  
Monofilament

G0612197

G0595209

G0595217



45  
Twisted  
75  
Monofilament

G0612340

G0612359

G0594350



45  
Twisted  
75  
Monofilament

G0612472

G0592471



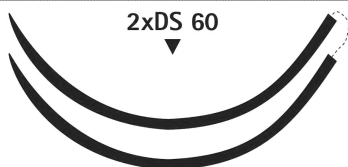
45  
Monofilament

G0592793



60  
Monofilament


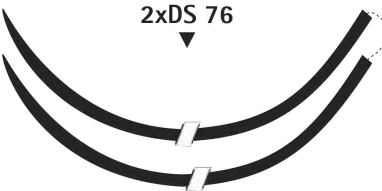
G0595230



75  
Monofilament

G0599409

## Needle-thread combination

Needle length mm	Thread length cm structure	USP (metric)						
		1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)
3/8 circle reverse cutting needle								
 <p>2xDS 60</p>	75 Monofilament			G0599417				
 <p>2xDS 76</p>	75 Monofilament		G0599480	G0599484		G0599492	G0599506	

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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	Thread length cm structure	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
<b>Ligature reels</b>								
150 cm	150 metallic	G0112046	G0112054	G0092061	G0092070	G0092096	G0092100	
250 cm	250 metallic			G0094137		G0094153		
<b>Pre-cut sutures</b>								
6 threads of 45 cm	6 x 45 metallic		G0098442	G0098469	G0098477	G0098485	G0098493	G0098507
	Thread length cm structure	USP (metric)						
		3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)	9 (11)
6 threads of 45 cm	6 x 45 metallic			G0098515	G0098523	G0098531		
	Thread length cm structure	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
3 threads of 60 cm	3 x 60 metallic		G0094250	G0094269	G0094277	G0094285		



# Linatrix®

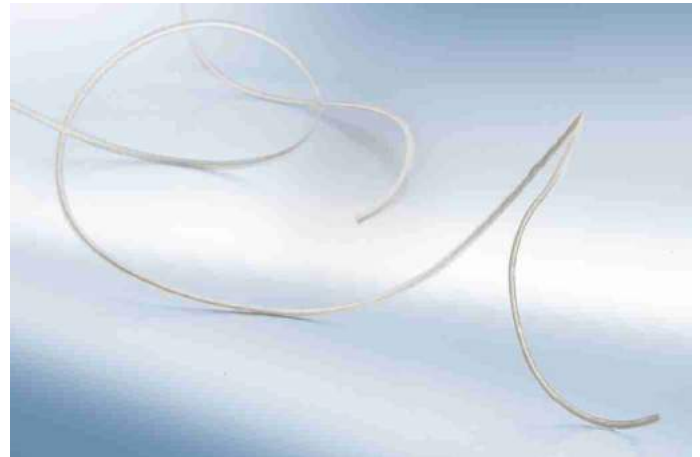
## Non-absorbable sutures

### Description

Linatrix® is a non-absorbable, twisted suture, made of flax fibers of linen and treated with silicone compounds and polyvinyl solution. Linatrix® is indicated for use in the gastrointestinal 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 (metric 2) to USP 4 (metric 6)











Type of degradation

Non-absorbable

Sterilisation

Ethylene oxide

## 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)
<b>1/2 circle round bodied needle</b>								
 HR 22	75 white		C0630306	C0630314				
 HR 26	75 white		C0630411	C0630420	C0630438	C0630446		
 HR 30	75 white		C0630462	C0630470	C0630489	C0630497		
 HR 37	75 white			C0630519	C0630527	C0630535	C0630543	
 HR 40	75 white					C0630659		
<b>3/8 circle round bodied needle</b>								
 DR 26	75 white			C0631051				
 DR 32	75 white			B0631175	C0631183			
<b>Straight round bodied needle</b>								
 GR 51	90 100 white		C0634620	C0631558				
<b>3/8 circle reverse cutting needle</b>								
 DS 35	75 white					C0632210		
<b>Straight reverse cutting needle</b>								
 GS 51	75 white				C0632708			

C Box of 36 units	B Box of 24 units	G Box of 12 units	M Box of 6 units
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	Thread length cm colour	USP (metric)						
		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 white			B0136670	B0136697			
6 threads of 60 cm	6 x 60 white				B0138495			
13 threads of 60 cm	13 x 60 white	C0133850	C0133868	B0133876	B0133892			
2 threads of 75 cm	2 x 75 white	C0134058	C0134066	C0134074	C0134090	C0134104		
5 threads of 75 cm	5 x 75 white				B0134481	B0134503		
10 threads of 75 cm	10 x 75 white	C0134651	C0134660	B0134678				
1 thread of 150 cm	1 x 150 white	C0132055	C0132063	C0132071	C0132098	C0132101	C0132110	C0132128
Ligature reels								
1 thread of 250 cm	1 x 250 white	G0130222	G0132144	G0132152	G0132160	G0130265	G0130273	



# Mechanical sutures

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Manipler AZ

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Skin staple remover

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# 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 reliable / intuitive handling, 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



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



# Sets

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Episio-Set

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Safil® Parenchyma-Set

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Securex®

---

Dermaset

---

Tendo-Loop

---

Cervix-Set

---

Ear-Set

---

Patella-Set

---

Tendofil®

---

Ventrofil®

---

Surgical Loop

---

Steelex® 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





# Sets

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Episio-Set

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Safil® Parenchyma-Set

---

Securex®

---

Dermaset

---

Tendo-Loop

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Cervix-Set

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Ventrofil®

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Surgical Loop

---

Steelex® Sternum-Set

---

Steelex® Electrode-Set

---

Pro-Set

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# 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	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.
 DS 30  HR 40s  HR 48	70 cm 70 cm 70 cm	0 (3.5) 0 (3.5) 0 (3.5)	24 units	B1046921
 DS 30  HR 40s  HR 48	70 cm 70 cm 70 cm	2/0 (3) 2/0 (3) 2/0 (3)	24 units	B1046922
 DSMP 24  HRT 37s  HRT 37s	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




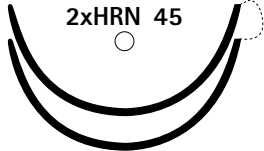
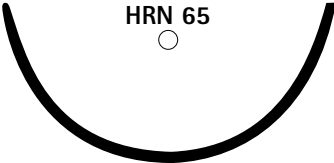
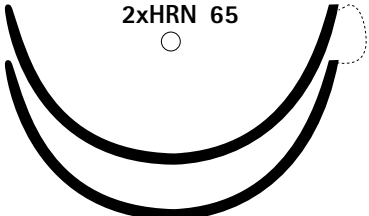
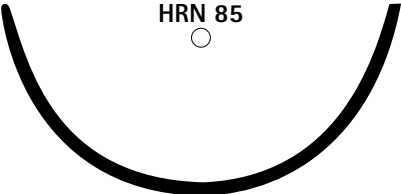
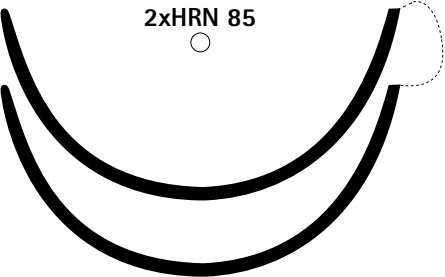
## Safil® Parenchyma- Set

### Product overview

Structure	Tape
	
Colour	Violet
Chemical composition	Polyglycolic acid
Coating	Uncoated
Origin	Synthetic
Sizes	3 mm wide tape
Type of absorption	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

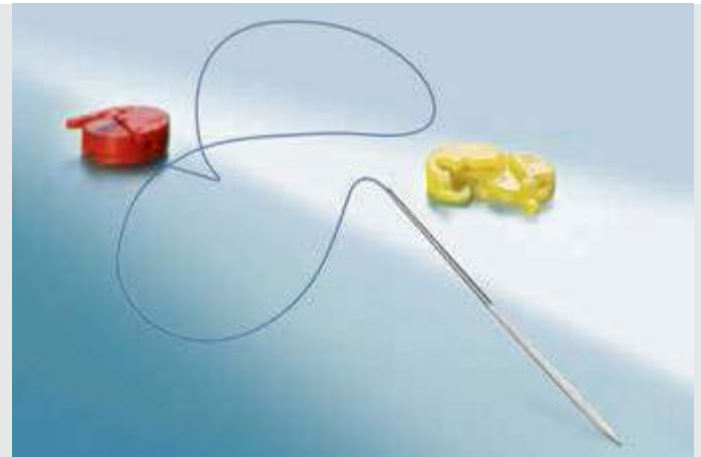
The intracutaneous suture is usually continuous and is performed with either a curved cutting needle or a straight cutting needle. As this method involves removal of the suture, a monofilament, non-capillary material with a very smooth surface is required.

### The set consists of

- Premilene® suture, a flexible monofilament made of blue polypropylene
- 2 different coloured fixation clips (red and yellow)
- 1 curved reverse cutting or straight cutting needle: strong, ductile and atraumatic Easyslide needle

### 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


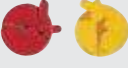




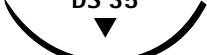




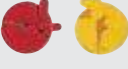



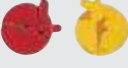



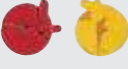
- Simplification of the intracutaneous suture technique and fixation of suture end with sterile, disposable fixation clips
- Excellent cosmetic result

## 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

# 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

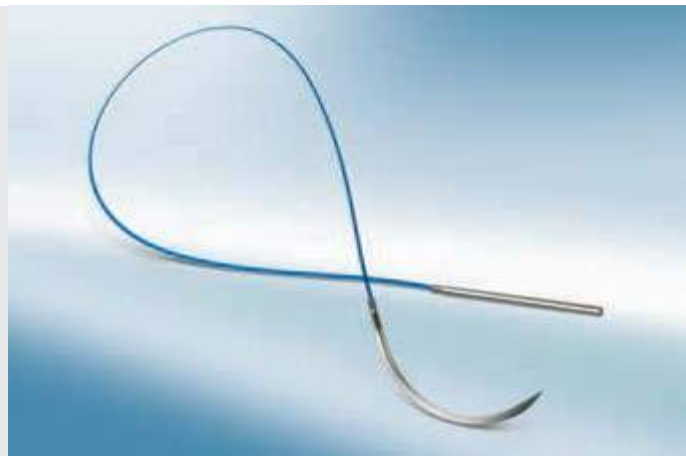
- 8 Premilene® (polypropylene) threads each of them armed with a curved DS atraumatic needle on one end and a straight blunt-ended GRN12 needle on the other end
- A polyurethane tube and a polyethylene clamp

## 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

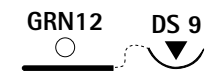

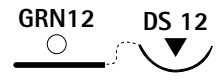

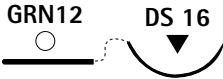

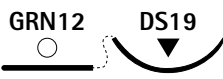

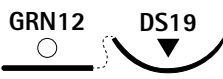

Non-absorbable

Sterilisation

Ethylene oxide

# Dermaset

For full-thickness skin graft suturing

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

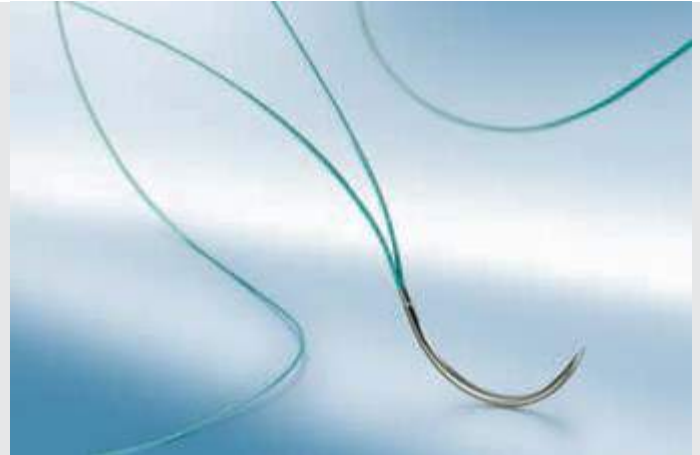
Tendo-Loop is a suture set for the adaptation of ruptured tendons according to the Tsuge technique. Tendo-Loop consists of a 30 cm loop of braided polyester attached to a trocar needle. The usage of Tendo-Loop enables damaged tendons to be repaired easily and rapidly.

## 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.
<b>DRT 18</b> 	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.

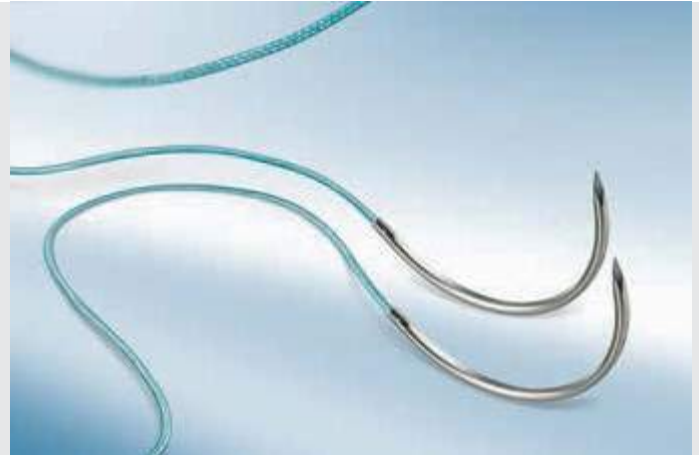
Cervix-Set for the ligature of the cervix according to the Shirodkar technique consists of a polyester tape or thread equipped at each end with blunt round-bodied needles.

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

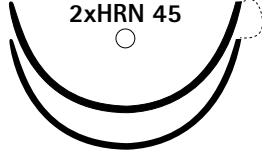
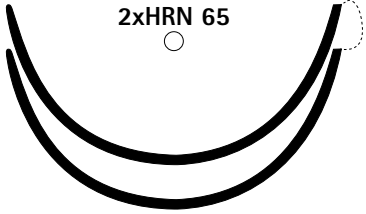
# Cervix-Set

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	Green thread	USP 6 (8)	6	99 7064
	50 cm	White tape	0.5 cm	6	99 7145
 <p>2xHRN 65 ○</p>	50 cm	Green thread	USP 6 (8)	12	99 6076
	50 cm	White tape	0.5 cm	12	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.

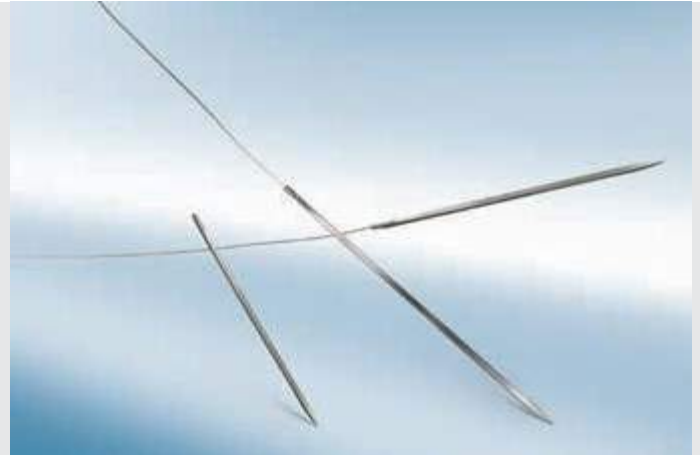
Ear-Set includes 2 extra needles used for fixation of the cartilage when sculpting the new ear.

### 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.
<b>2xGS 20</b> 	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



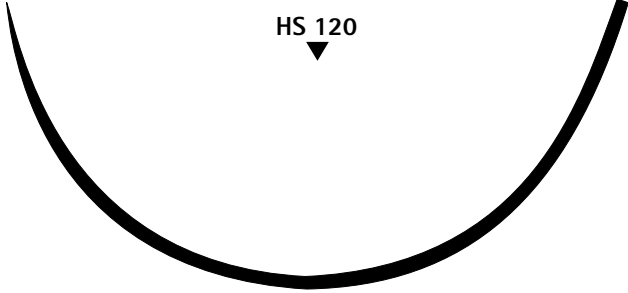
## Patella-Set

### 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
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# Tendofil®

For the repair of ruptured tendons according to the Lengemann technique

## Description

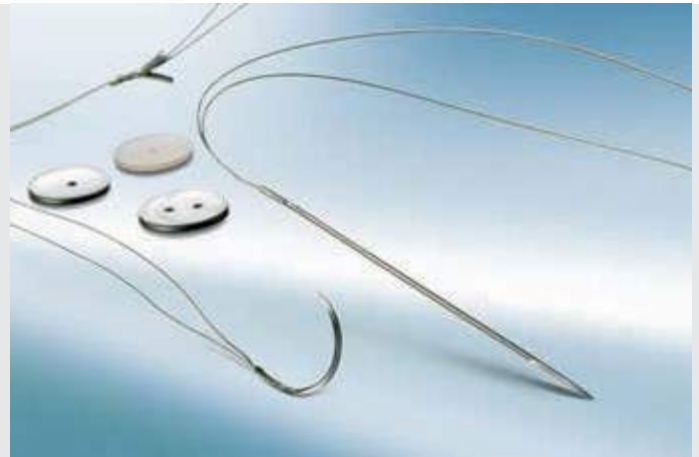
Tendofil® is a special surgical set for the adaptation of ruptured tendons according to the Lengemann technique. Tendofil® consists of a double wire attached to a straight needle at one end and a curved needle at the other end. In addition, Tendofil® is equipped with a V-shaped barb.

## 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®

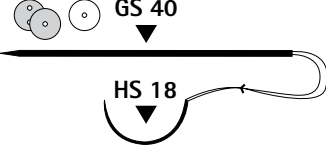
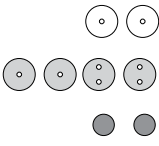
## Tendofil®

### 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

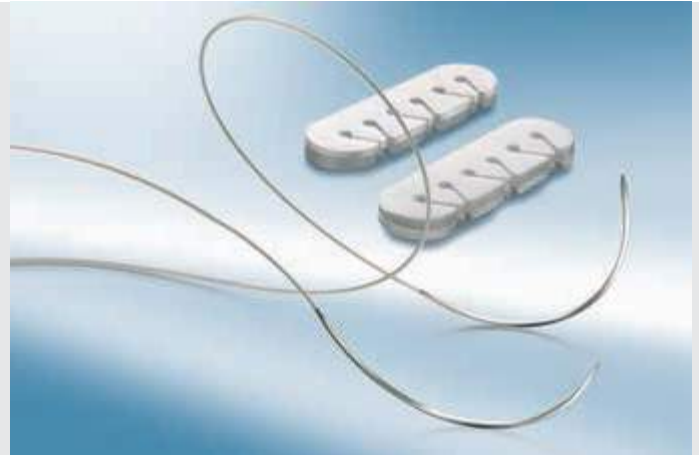
Ventrofil® is a special suture set for the treatment and prevention of abdominal ruptures after laparotomy or other wound dehiscence and for the relief of strain on existing wounds.

### 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
- Reduces the risk of infection significantly

# Ventrofil®

### Product overview

Structure

Twisted



Colour

Metallic

Chemical composition

Stainless steel

Coating

Cover of polyethylene

Origin

Metal

Sizes

1.3 mm

Type of absorption

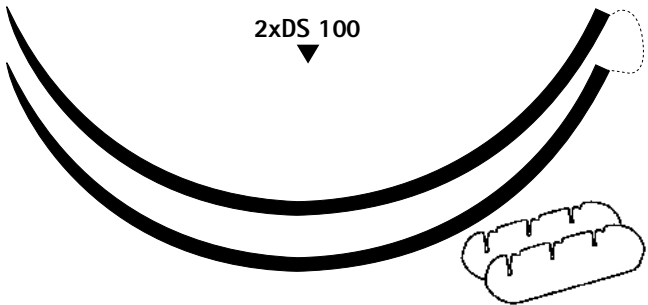
Non-absorbable

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 aspects

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



### Convenience aspects

- Extremely smooth surface
- Pliable
- No tissue adherence
- Easy, convenient 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

# Steelex<sup>®</sup> Sternum-Set

For sternum closure

## Description

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

Steelex<sup>®</sup> Sternum-Set is also available in polyester sutures (PremiCron<sup>®</sup>) 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








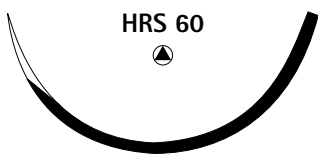
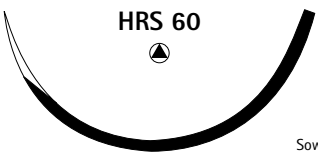
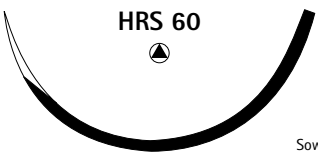
## Steelex<sup>®</sup> Sternum-Set

### Product overview

Structure	Monofilament (Steelex <sup>®</sup> ) or braided (PremiCron <sup>®</sup> )
Colour	Metallic (Steelex <sup>®</sup> ) or green (PremiCron <sup>®</sup> )
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 <sup>®</sup> )
Type of absorption	Non-absorbable
Sterilisation	Ethylene oxide or gamma-irradiation

# Steelex® Sternum-Set

For sternum closure  
Steelex® Product Range


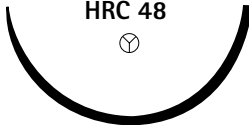




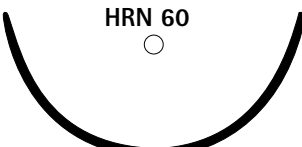
Needle length mm	Thread length cm	USP metric						
		1 4	2 5	3 6	4 6	5 7	6 8	7 9
1/2 circle round bodied needle with sternum point								
 HRS 40	4 x 45	G0617835	G0617838					
	4 x 45 axial 5x45	G0617851	G0617848 G0617839		G0617854			
 HRS 48	4 x 45		G0617780		G0617784	G0617717	G0617814	G0617795
	4 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

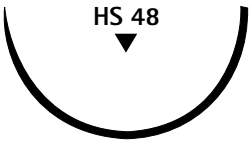
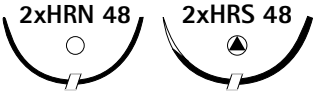
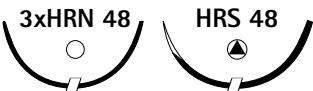

G Box of 12 units

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
<b>1/2 circle round bodied needle with short cutting point</b>								
 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		
<b>1/2 circle round bodied needle with blunt point</b>								
 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		

# Steelex® 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<sup>®</sup> Electrode-Set

For the control and treatment of arrhythmias

## Description

The Steelex<sup>®</sup> 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



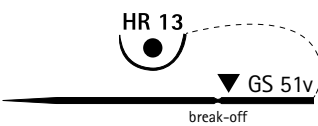
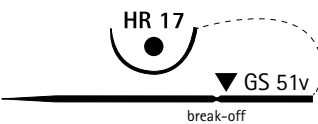
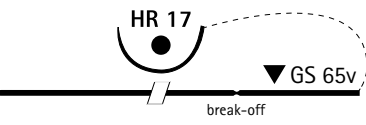
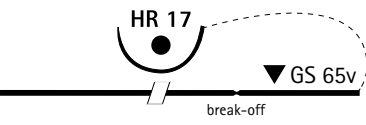
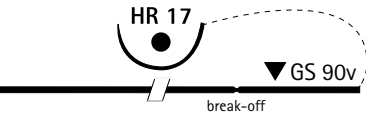
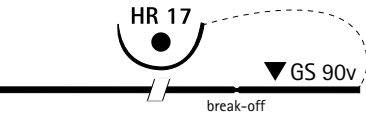





## Steelex<sup>®</sup> Electrode-Set

### Product overview

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

# Steelex<sup>®</sup> 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 and break off straight cutting needle								
	2 x 60 B&W				C0990008			
	60 Blue				C0992054			
	2 x 60 B&W				C0992702			
	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	C0992701		
	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
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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
<b>3/8 circle round bodied needle and break off straight cutting needle</b>								
<p>DR 22</p>	60 Blue					C0992110		
	2 x 60 B&W						C0992713	
<p>DR 32</p>	60 Blue					C0992105		
	2 x 60 B&W							B0992710
<b>1/2 circle round bodied needle with short cutting point and break off straight cutting needle</b>								
<p>HRC 17</p>	60 Blue					C0992062		
<p>HRC 26</p>	60 Blue					C0992041		



# 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
- Relieves clinical staff from organizational tasks
- Reduces administrative costs



## Ecological benefits

- Less packaging
- Reduced 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 allows the sterile transfer





# Meshes

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Non-absorbable meshes

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Absorbable meshes

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# Non-absorbable meshes

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Premilene® Mesh

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Premilene® Mesh Plug

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Optilene® Mesh

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Optilene® Mesh LP

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Optilene® Mesh Elastic

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Omyra® Mesh

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Omyra® Mesh TX

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# Non-absorbable meshes

Colour and article coding for easy box content identification





# Premilene® Mesh

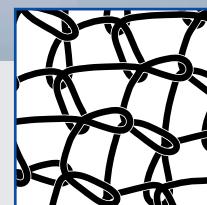
Traditional polypropylene mesh for hernia repair

## Description

Premilene® Mesh, made from polypropylene monofilament, 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 to movements of the patient. The technically advanced mesh structure is retained after cutting and does not fray. Premilene® Mesh permits high visibility of underneath tissue 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 visibility
- Good handling
- Excellent biocompatibility




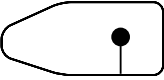
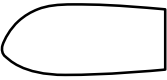



## Premilene® Mesh

### Product features

Chemical composition	Polypropylene
Structure	warp-knitted monofilament
Colour	White / transparent
Type of absorption	Non-absorbable
Weight	82 g/m <sup>2</sup>
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	Pre-shaped 
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

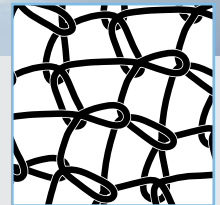
Premilene® Mesh Plug is a monofilament polypropylene mesh plug designed for the repair of recurrent hernias and can also be used for primary inguinal hernias. The smooth self-expanding plug fills the defect perfectly. The plug adapts optimally to the shape of the defect and the natural anatomy. Premilene® 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-knitted monofilament
Colour	White / transparent
Type of absorption	Non-absorbable
Weight	82 g/m <sup>2</sup>
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

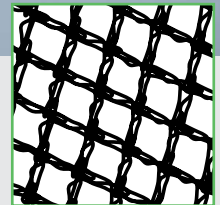
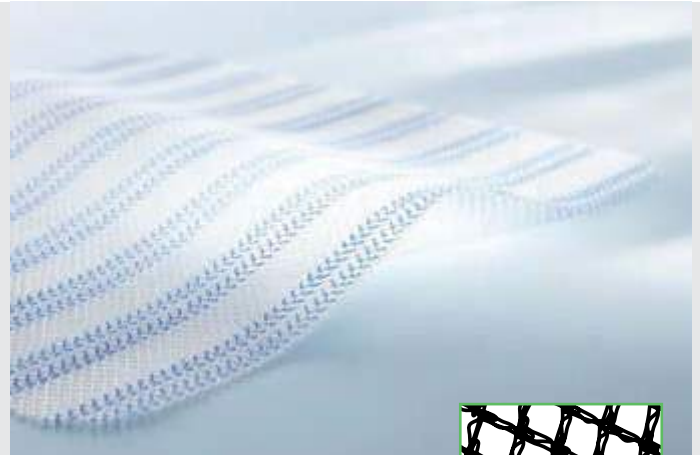
Universal mesh for inguinal and incisional hernia repair

## 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 easy 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 <sup>2</sup>
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

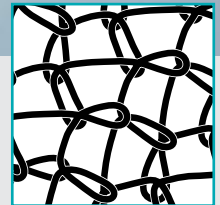
Super-light mesh ideal for inguinal hernia repair procedures

## 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 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 <sup>2</sup>
Sterilization	Ethylene oxide
Pore size (average)	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

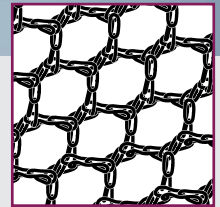
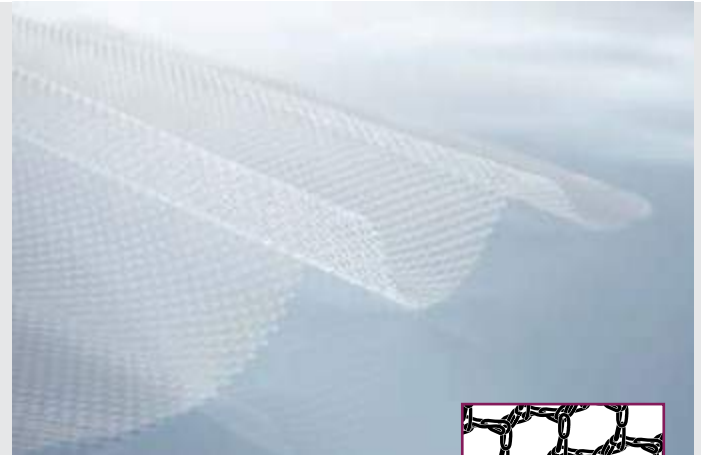
Elastic light-weight and large pore mesh

## Description

Optilene® Mesh Elastic is a light-weight large pore monofilament polypropylene mesh. Due to its elasticity 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 healing and the formation of elastic scar tissue. Optilene® Mesh Elastic is designed 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
- Especially 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 <sup>2</sup>
Sterilization	Ethylene oxide
Pore size	3.6 mm 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

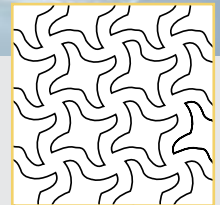
Unique condensed PTFE mesh with big pores, ideal for intraperitoneal placement

## Description

Omyra® Mesh represents a unique mesh concept in intraperitoneal hernia repair. It is a film of condensed polytetrafluoroethylene (cPTFE) with very low density (0.9 g/cm<sup>3</sup>) and a macroporous star-shaped structure (2.4 mm). Omyra® Mesh is the first monolayer, non-coated mesh providing antiadhesive 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



## 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
- Tailorable ensuring an optimal handling
- High visibility of underneath tissue
- Trimmable




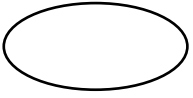
# Omyra® Mesh

## Product features

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

# Omyra<sup>®</sup> 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	



# Omyra® Mesh TX

Engineered for thoracic reconstruction

## Description

The Omyra® Mesh TX follows the lead of the original Omyra® and brings a new concept for thoracic and diaphragm reconstruction applications.

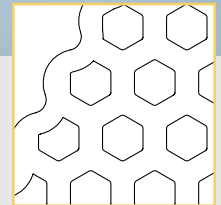
Omyra® Mesh TX is made of light-weight condensed Polytetrafluoroethylene (cPTFE) for reduced adhesion formation, and hexagonal macroporous structure to improve tissue integration. Additionally, cPTFE has bacterial resistant properties for infection prevention.

## Indications

- Chest Wall reconstruction
- Diaphragm reconstruction

## Advantages

- Highly biocompatible
- Hexagonal macropores to allow an excellent tissue integration
- Impairment of bacterial growth
- Reduction of adhesion formation
- Condensed PTFE
- Transparent and tailorable ensuring an optimal handling



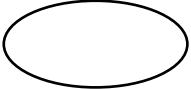
## Omyra® Mesh TX

### Product features

Chemical composition	Condensed polytetrafluoroethylene (cPTFE)
Structure	Large pore monolayer
Colour	White / transparent
Type of absorption	Non-absorbable
Sterilization	Ethylene oxide
Pore size	1.3 mm (hexagonal)

# Omyra<sup>®</sup> Mesh TX

Engineered for thoracic reconstruction

Sizes	Units / box	Cat. No.	Shape
10 x 15 cm	1 piece	1961015	Oval 
15 x 20 cm	1 piece	1961520	
22 x 30 cm	1 piece	1962230	
30 x 40 cm	1 piece	1963040	

# Absorbable meshes

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Safil® Mesh

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Safil® Mesh Bag

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# Absorbable meshes

Colour and article coding for easy box content identification





# Safil® Mesh

## Absorbable mesh for temporary wound and organ support

### Description

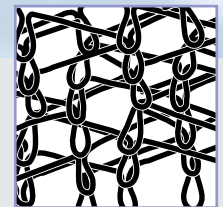
Safil® Mesh is a warp-knitted mesh made of polyglycolic acid. During the wound healing phase the porous structure increases the mechanical load capacity of the supported tissue. Safil® Mesh offers a strong support with a high burst strength. The fine mesh structure may avoid fluid accumulation and ensures 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 precise 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
- Extraordinary 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 <sup>2</sup>
Sterilization	Ethylene oxide
Pore size (average)	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

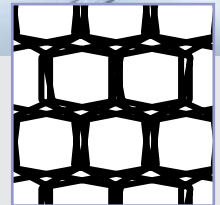
## Description

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
- Extraordinary degradation profile
- Porous mesh structure
- High anatomic adaptability
- Low risk of late secondary infections

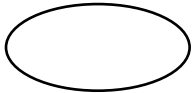

## Safil® Mesh Bag

### 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	44.5 g/m <sup>2</sup>
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

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Tissue adhesives

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Mesh Fixation

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Haemostats

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Bone regenerator

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# Tissue adhesives

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Histoacryl®

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Histoacryl® Flexible

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# 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



# Histoacryl® Flexible

Improved closure of surgical incisions

## Description

The topical tissue adhesive and microbiological barrier product Histoacryl® Flexible consists of n-butyl-2-cyanoacrylate and a softener. For easy assessment of the thickness of the layer which has been applied, Histoacryl® Flexible is coloured blue.

## Indications

- Closure of minimal-tension skin wounds from clean surgical incisions and simple, thoroughly cleansed, trauma-induced lacerations.
- Microbiological barrier in the closure of clean surgical skin wounds and simple, thoroughly cleansed, trauma-induced lacerations.

## Advantages

- **Flexibility**  
Allows closure of incisions up to 25 cm
- **Microbial barrier**  
Polymerized Histoacryl® Flexible adhesive films are an effective microbial barrier
- **Ease of use**  
Ready to use product storable at temperatures below 25°C
- **Accuracy**  
Special tip permits a better control and improved application
- **Excellent cosmetic results**  
Cyanoacrylate based topical skin adhesives yield excellent cosmetic results



Colour	Content / box	Cat. No.
Blue	5 ampoules of 0.5mL	1051250P
Blue	10 ampoules of 0.5mL	1051260P



# Mesh Fixation

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Histoacryl® Pro-Set OFX

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# Mesh Fixation







# Histoacryl® Pro-Set OFX

## Non-traumatic mesh fixation in open hernia repair

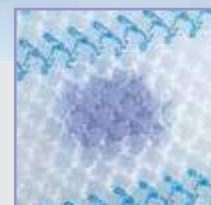
### Description

The new Histoacryl® Pro-Set OFX is a set composed of Histoacryl® glue with an applicator specifically designed for open hernia repair. Histoacryl® Pro-Set OFX now provides a totally non-traumatic, fast and strong way of mesh fixation in open hernia repair, helping to prevent complications and to improve patient outcome in hernia surgery.

Histoacryl® is made of highly purified n-butyl-2-cyanoacrylate, a fast acting synthetic glue that provides excellent mesh-tissue fixation strength. Its blue color makes it easy to control the chosen fixation points and the specifically designed applicator allows for easy and drop-wise application of Histoacryl®, even in those areas that can be difficult to access.

Open tension-free inguinal hernia repair using surgical mesh is one of the most common surgical techniques in general surgery. It represents an effective, highly reproducible method correlated with low recurrence and morbidity. However, favorable patient outcome can become jeopardized by post-operative complications, such as neuralgia, irritation, or chronic pain.

A critical factor in the prevention of such complications seems to be the choice of method for fixation of the mesh. Traditional, traumatic fixation methods that involve suturing or tacking may result in local compression, strangulation or damage to muscular fibers and nerves.



### Indications

- Non-traumatic mesh fixation in open hernia repair

### Advantages

- Reduced risk of post-operative and chronic pain and shorter time of hospital stay
- No increase in recurrence rate as compared to traumatic fixation
- Decreased surgery time
- Available in blue color for easy visualization and application control
- Specifically designed applicator for easy and precise application

Name	Cat. No.	Pack content	Application
Histoacryl® Pro-Set OFX Pack for Open Repair	1052007	Two Histoacryl® ampoules	One complete surgery
		One Histoacryl applicator - Open Hernia Repair	



# Haemostats

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Sangustop®

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Lyostypt®

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Cellistypt®

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Gelita

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Bone Wax / Bone Wax Stick

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# 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



Lyostypt®

Size	Content / box	Cat. No.
3 x 5 cm	12 pieces	1069128
5 x 8 cm	6 pieces	1069152
5 x 8 cm	12 pieces	1069020
10 x 12 cm	4 pieces	1069209
5 x 30 cm	4 pieces	1069306
10 x 10 cm	8 pieces	1069039



# Cellistyp<sup>®</sup>

## Oxidized Resorbable Cellulose

### Description

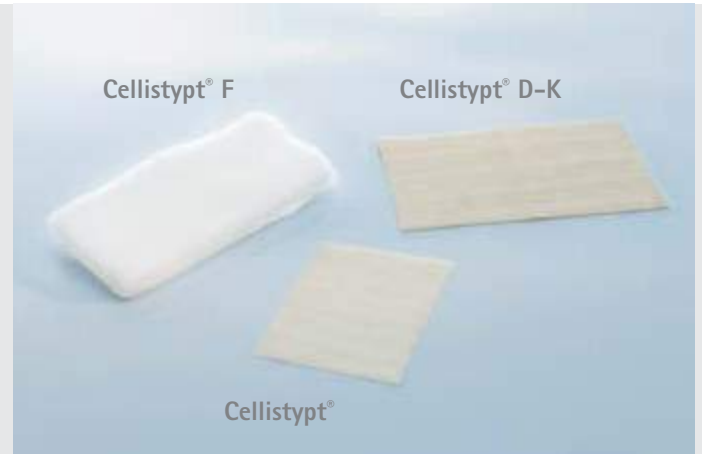
Cellistyp<sup>®</sup> is an oxidized resorbable cellulose hemostat, of 100% vegetable origin made from natural cotton. Oxidized cellulose hemostats have been used for decades and are well known for their hemostatic properties and easy handling.

B. Braun's Cellistyp<sup>®</sup> product range is available in three different presentations, offering the right option for every indication.

### Indications

Cellistyp<sup>®</sup> hemostats are meant to be used as adjunct to hemostasis in open surgical and minimal invasive procedures in order to control capillary, minor venous and minor arteriolar bleeding, when conventional hemostatic methods such as ligation are impractical or not effective.

- Cellistyp<sup>®</sup> basic format, gauze-like hemostat for mild bleeding
- Cellistyp<sup>®</sup> D-K dense knitted format, for increased strength, suitable to wrap organs
- Cellistyp<sup>®</sup> F cotton wool which enables the use of the necessary amount only and allows the placement on all kinds of surfaces including those areas of difficult access



### Advantages

- Ready-to-use approach
- Easy to use
- Bacteriostatic properties
- Does not contain animal or human components

### Cellistyp<sup>®</sup>

Description	Code	Content
5 x 1.25 cm	208 0501	15
5 x 7 cm	208 0508	15
5 x 7,5 cm	208 1275	10
7 x 10 cm	208 0511	15
5 x 35 cm	208 0536	10
10 x 20 cm	208 0541	10
1.5 x 1.5 cm	208 0515	40

### Cellistyp<sup>®</sup> D-K

Description	Code	Content
2.5 x 2.5 cm	208 1203	15
2.5 x 9 cm	208 1209	15
7 x 10 cm	208 1210	10
14 x 20 cm	208 1240	10

### Cellistyp<sup>®</sup> F

Description	Code	Content
2.5 x 5 cm	208 2025	10
5 x 6 cm	208 2056	10
5 x 10 cm	208 2005	10
10 x 10 cm	208 2010	10
10 x 20 cm	208 2020	10



# 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.

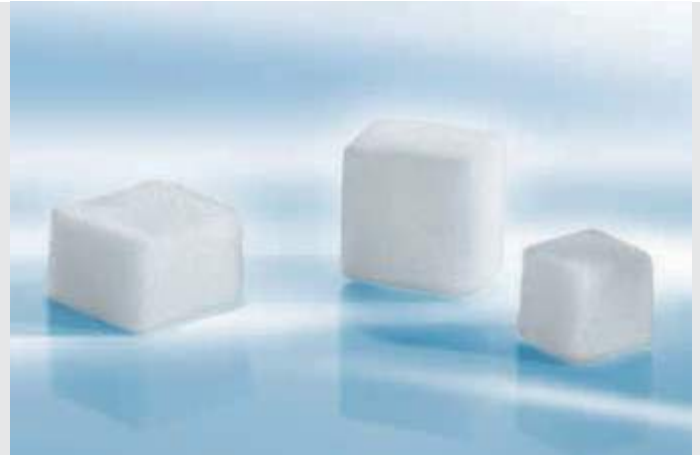
## Indications

To fill in dead spaces and control bleeding in:

- Dentistry and maxillar surgery
- Thoracic surgery
- ENT surgery

Tamponade effect 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

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Osteovit®

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# 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 2 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



# Endoluminal vacuum therapy

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Endo-SPONGE®

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# 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®	Single-kit	5526530
Endo-SPONGE®	5 sets	5526520
Endo-SPONGE®	10 sets	5526510
Redyrob® TRANS PLUS	10 units	5526604
Askina® Gel	10 units	001419N
Askina® Gel	5 units	001419S



# Simple management of needles and blades

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OP-Magnet

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# 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 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 easy disposal

Content / box	Cat. No.
12 pieces	1091506

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Phone +49 7461 95-0 | Fax +49 7461 95-2600 | [www.aesculap.com](http://www.aesculap.com)

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