

Surgical sutures, Meshes and Biosurgicals

General Catalogue



Closure Technologies

Innovative quality products for surgery

Wide innovative product range

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



High quality

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



Compliance with international standards

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



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

State-of-the-art production technology

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



Customer focused strategy

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



Competence in sutures, meshes and biosurgicals

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



Central product distribution

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



Contents

Sutures general information

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

Sutures

■ **Absorbable sutures**

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

■ **Non-absorbable sutures**

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

■ **Mechanical sutures**

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

■ **Sets**

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

Ear-Set

For ear reconstruction

Patella-Set

For fractures of the patella

Tendofil®

For the repair of ruptured tendons according to Lengemann technique

Ventrofil®

For tension relief

Surgical Loop

For organ retraction and more

Sternum-Set

For sternum closure

Steelex® Electrode-Set

For the control and treatment of arrhythmias

Pro-Set

Suture sets customized to your particular needs

Meshes

■ **Non-absorbable meshes**

Premilene® Mesh

Traditional polypropylene mesh for hernia repair

Premilene® Mesh Plug

Self-expandable polypropylene mesh plug for inguinal hernia repair

Optilene® Mesh

Universal light-weight mesh for inguinal and incisional hernia repair

Optilene® Mesh LP

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

Optilene® Mesh elastic

Elastic light-weight and large pore mesh

Omyra® Mesh

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

■ **Absorbable meshes**

Safil® Mesh

Absorbable mesh for temporary wound and organ support

Safil® Mesh Bag

Absorbable mesh bag for organ stabilization and haemostasis

Contents

Biosurgicals

■ Tissue adhesives

Histoacryl®

Tissue adhesive

■ Hemostats

Sangustop®

Local haemostatic agent for all types of bleeding

Lyostypt®

Local haemostatic agent for minor bleeding

Gelita

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

Bone Wax / Bone Wax Stick

For mechanical haemostatic in bone bleeding

■ Bone regenerator

Osteovit®

Collagen matrix for filling bone defects

Special products

■ Endoluminal vacuum therapy

Endo-SPONGE®

■ Simple management of needles and blades

OP-Magnet

Sutures general information

Packaging information

Needle information

Packaging information

RacePack®

DDP-Direct Dispense Packaging

Easy suture colour coding

Easy mesh colour coding

B. Braun bar code systems

B. Braun useful accessories

B. Braun guarantee of consistent high quality

RacePack®

Unique and innovative suture packaging system by B. Braun

Unique and innovative

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



RacePack®-single step packaging system

- Faster suture transfer, time savings for OR staff

RacePack®-memory reduced to a maximum

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

RacePack® friendly product identification





Handling steps:



Open non-sterile outer package

- Wide grasp area



RacePack® transfer to sterile field



Grasp needle directly from the packaging with the needle holder

- Flexible rear flap allows an easier grasping of the needle



Pull out the suture right-wards

DDP-Direct Dispense Packaging



Clearly labelled product information and easy product identification

Handling steps:



Open non-sterile outer package



Transfer to sterile field


















Tear-off opening system, indicated by coloured arrows







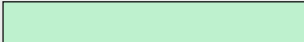























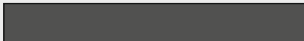

Quick and direct gripping of the needle. Pull out the suture right-wards

Easy suture colour coding

Absorbable sutures

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

Non-absorbable sutures

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

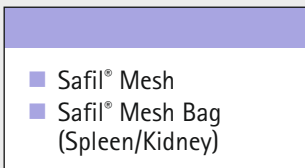
Article coding for easy box content identification

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

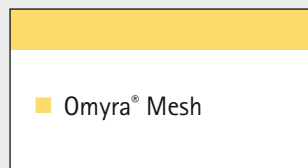
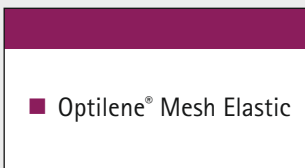
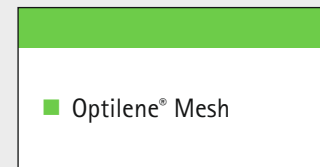
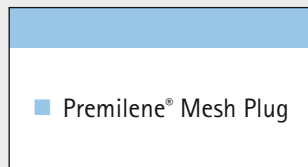
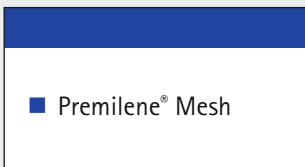
| | |
|---|-----------------|
| | |
| M | Box of 6 units |
| G | Box of 12 units |
| B | Box of 24 units |
| C | Box of 36 units |

Easy mesh colour coding

Absorbable meshes



Non-absorbable meshes



B. Braun bar code systems

Data matrix

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



Linear bar code

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



Primary bar code

GTIN 13 [Global Trade Item Number].

Secondary bar code

Expiry date batch number.



Information of EAN-128

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

B. Braun useful accessories

Shelf rack

Each shelf rack can take up to 4 suture boxes.

| Article | Code number |
|------------|-------------|
| Shelf rack | 1091255 |



Shelf base

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

| Article | Code number |
|------------|-------------|
| Shelf base | 1091247 |



B. Braun guarantee of consistent high quality

All B. Braun products have CE labelling.

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

Do not reuse



Use by (year + month)



Sterile unless package is opened or damaged.
Method of sterilisation: Ethylene oxide



Sterile unless package is opened or damaged.
Method of sterilisation: Gamma-irradiation



CE-mark and identification number of notified body. Product conforms to the essential requirements of the Medical Device Directive 93/42/EEC.



Batch number



CAUTION (See instructions for use)



Catalogue number



Needle information

B. Braun high performance surgical needles

B. Braun top needle range

CV pass needle generation

B. Braun needle types

B. Braun needle nomenclature

B. Braun needles

B. Braun high performance surgical needles

Quality and high performance

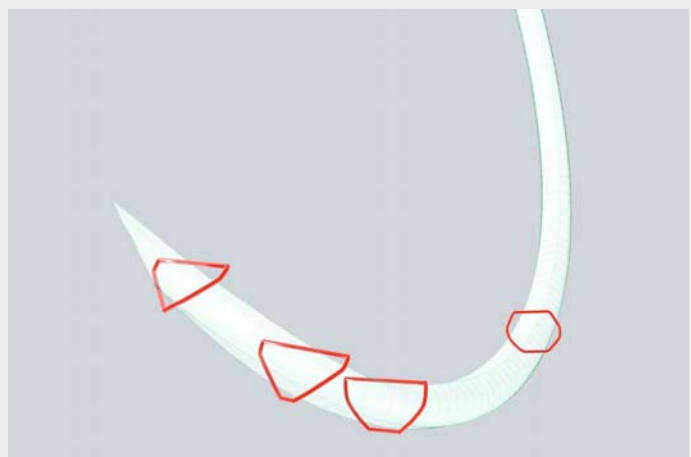
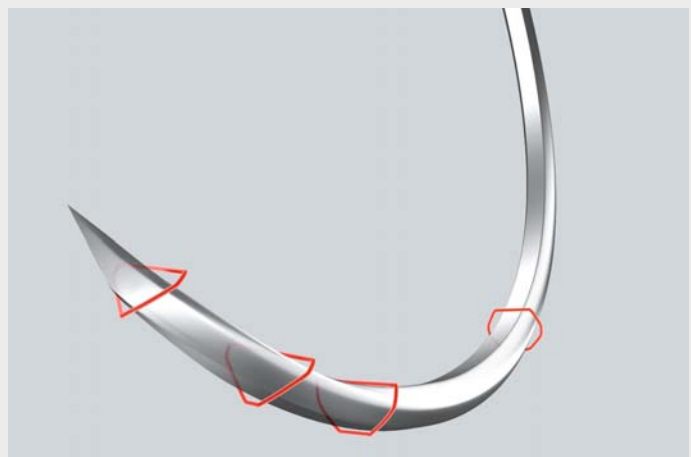
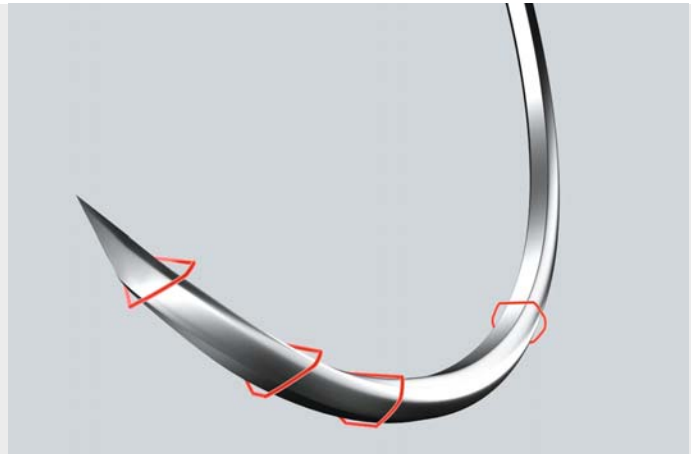
- B. Braun needles have gained recognition over the years for their quality and high performance.

Constant development

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

More than 250 different types of needles

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



B. Braun top needle range



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

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

Bending resistance

with high performing needles

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

Penetration

specific needle tip design

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



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

The dream for plastic surgery

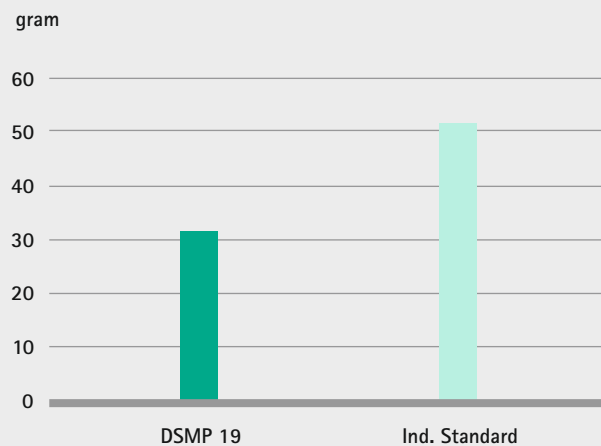
Excellent penetration performance and guaranteed bending resistance.

Specific needle tip and geometry design

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

Penetration

Average penetration force after 10 stitches



Source: Internal laboratory tests

CV pass needle generation

Excellence in cardiovascular surgery

The new needle generation for CV surgery

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



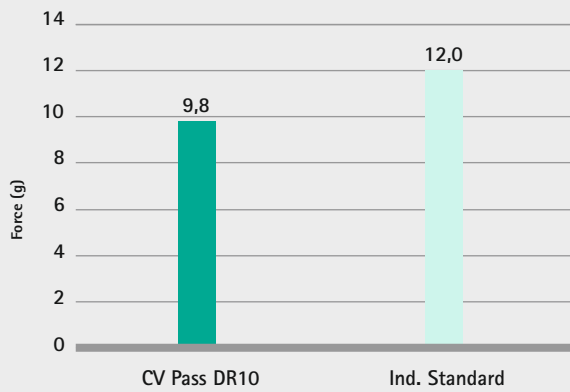
Specific needle body design

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

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

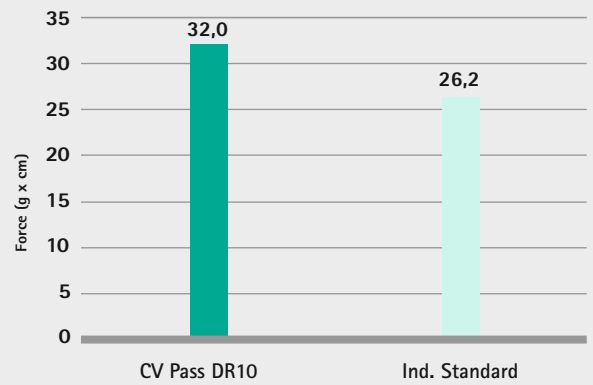


Penetration and bending performance for 3/8 circle round body 10 mm taper point needle USP 7/0



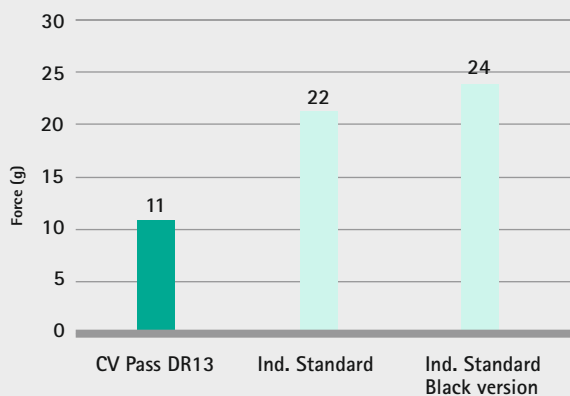
Penetration
Average penetration force after 10 stitches

Source: Internal laboratory tests



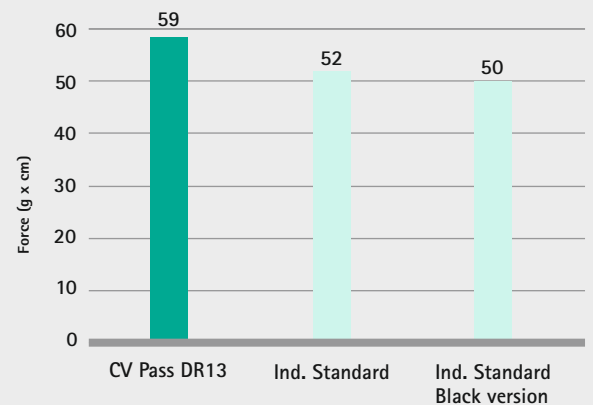
Bending
Maximum force applied to bend the needle

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



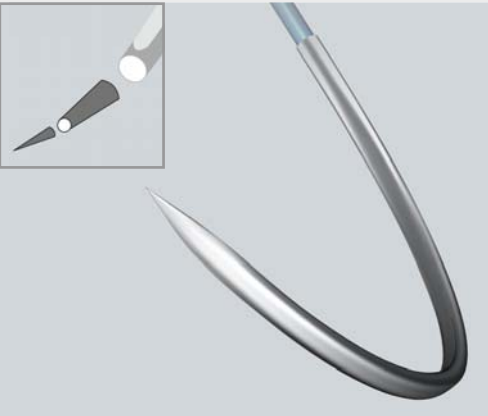
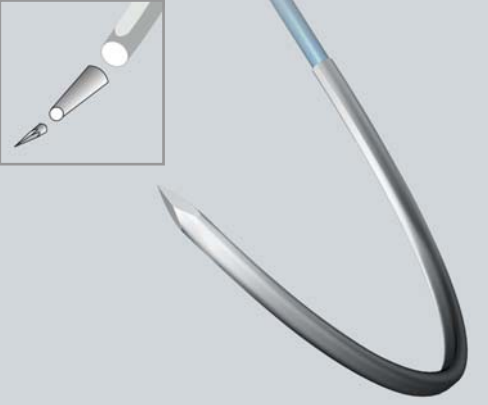
Penetration
Average penetration force after 10 stitches


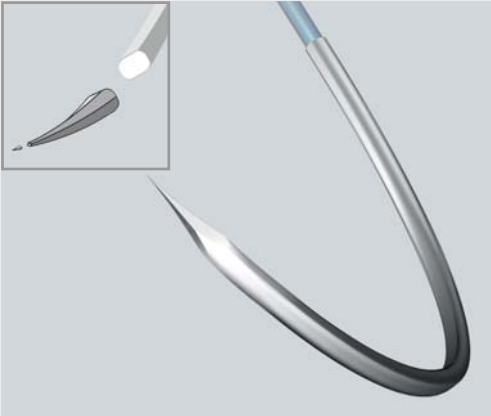
Source: Internal laboratory tests


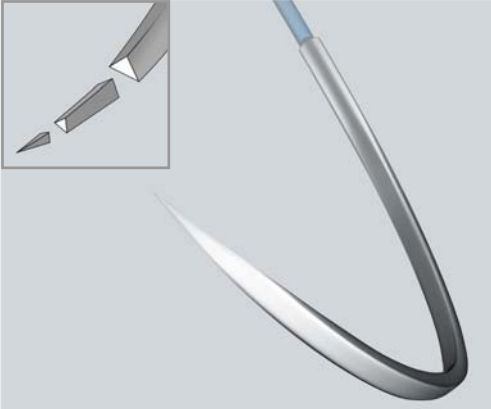


Bending
Maximum force applied to bend the needle


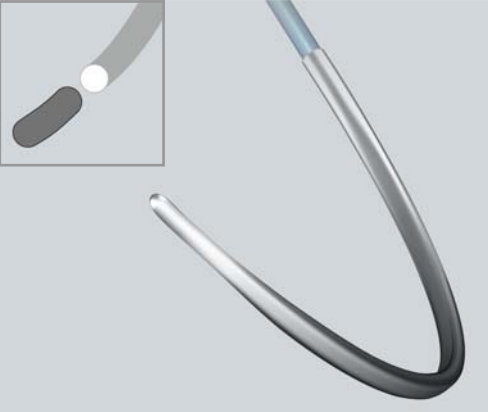
B. Braun needle types


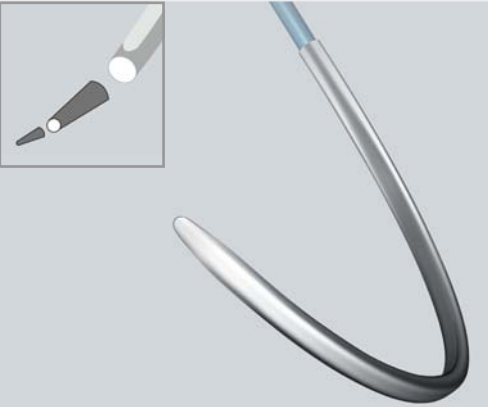
| Taper needle ● | Typical applications / indications: | Threads: | Sets: |
|---|---|--|--|
| <p>The taper needle is designed to permit easy penetration of the tissue. The body of the needle is flattened to prevent the needle from rotating in the needle holder. This needle is designed for soft tissues.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

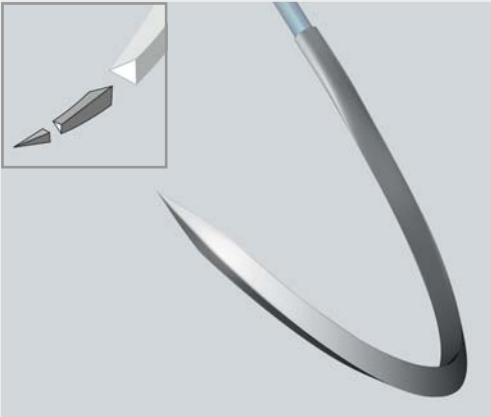
| Taper needle with trocar point  | Typical applications / indications: | Threads: | Sets: |
|--|--|---|--|
| <p>Needle with strong cutting point of four edges that blend into a round tapered body. This needle ensures good penetration in tough tissues with minimum tissue trauma.</p>  | <ul style="list-style-type: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

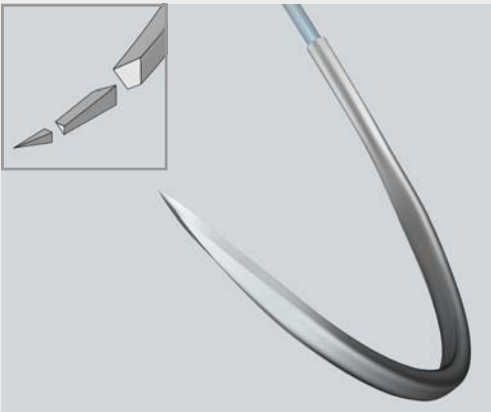
| Taper needle with sternum point  | Typical applications: | Sets: |
|---|---|---|
| <p>Needle with tapered body which gradually changes to a three cutting edge point. This needle is specially designed for sternum closure.</p>  | <ul style="list-style-type: none"> ■ Sternum closure | <ul style="list-style-type: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

B. Braun needle types


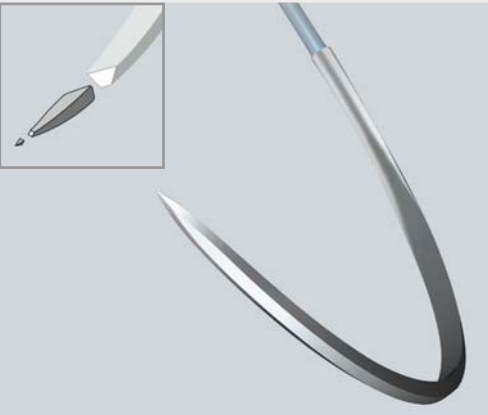
| Taper needle with blunt point  | Typical applications / indications: | Threads: | Sets: |
|--|---|---|---|
| <p>Needle with a tapered body and a rounded blunt point that does not cut through the tissue; recommended for parenchymal tissue to avoid tissue damage in surrounding structures.</p>  | <ul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

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

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

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

B. Braun needle types

| Lancet needle  Micro-point | Typical applications: | Threads: |
|--|---|--|
| <p>Special needle tip designed to pass through ophthalmic structures without damaging the upper and lower layer of stroma.</p>  | <ul style="list-style-type: none">■ Ophthalmology | <p>Absorbable sutures</p> <ul style="list-style-type: none">■ Safil® Quick■ Safil®■ Novosyn® <p>Non-absorbable sutures</p> <ul style="list-style-type: none">■ Premilene®■ PremiCron®■ Dafilon®■ Supramid■ Dagrofil®■ Virgin silk / Silkam® |

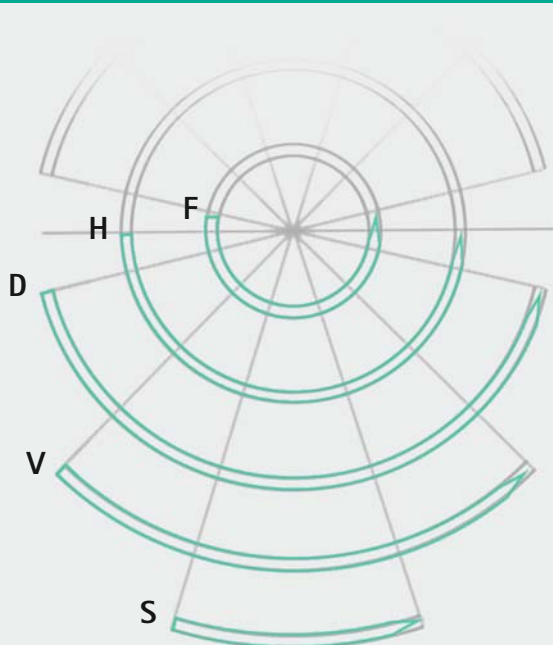
B. Braun needle nomenclature

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

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

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

Needle angle of curvature

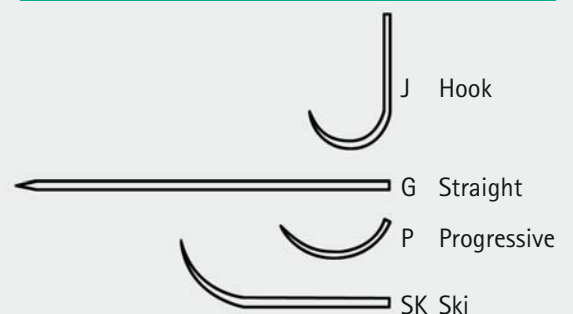


- S 1/8 circle
- V 1/4 circle
- D 3/8 circle
- H 1/2 circle
- F 5/8 circle

"Take off" removable needle

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

Others











B. Braun needles





Taper needle (micro vascular needle) ●

Micro vascular needle taper point

3/8 circle

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




Progressive curved

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









Taper needle (micro needle) ●

Micro-needle taper point




1/2 circle

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

3/8 circle

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

Progressive curved

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

Taper needle ●
Round bodied needle

1/2 circle

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

B. Braun needles

Taper needle ●
Round bodied needle

1/2 circle

HR 37s
HR 37s "Take off"



HR 48
HR 48 "Take off"



HR 37ss
HR 37ss "Take off"



HR 60



HR 40



HR 65
HR 65 "Take off"



HR 40s
HR 40s "Take off"



HR 40ss



HR 70



HR 43
HR 43 "Take off"



HR 43s



HR 76



Taper needle ●
Round bodied needle

3/8 circle

DR 6



DR 6s



DR 8f



DR 8



DR 10f



DR 10



DR 10s



DR 12



DR 13



DR 13s




DR 15



DR 18



DR 18b 



DR 22



DR 26



DR 32



DR 39



DR 48

DR 48 "Take off"



5/8 circle

FR 10



FR 13



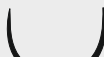
FR 17



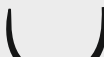
FR 22



FR 26



FR 26s



FR 36











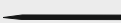
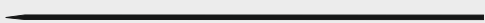




FR 40



FR 110





B. Braun needles

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



Taper needle with short cutting point (micro vascular)

Round bodied micro vascular needle with short cutting point

3/8 circle

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








Progressive curved

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






Taper needle with short cutting point (micro)

Round bodied micro needle with short cutting point


3/8 circle

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

Progressive curved

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

B. Braun needles

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

1/2 circle

HRC 10




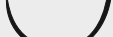
HRC 13



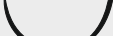
HRC 17
 HRC 17 "Take off"




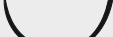
HRC 17b 



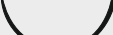
HRC 18



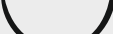
HRC 18b 



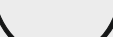
HRC 20




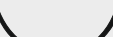
HRC 20s



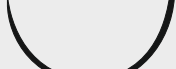
HRC 22



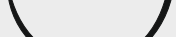
HRC 22b 



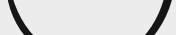
HRC 26
 HRC 26 "Take off"



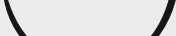
HRC 26b 




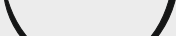
HRC 26s



HRC 27



HRC 27b 



HRC 30



HRC 30s



HRC 37
 HRC 37 "Take off"



HRC 37s



HRC 37ss



HRC 40



HRC 40s




HRC 43
 HRC 43 "Take off"

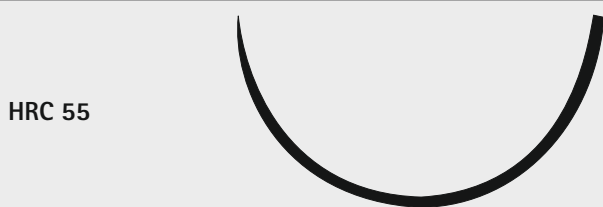
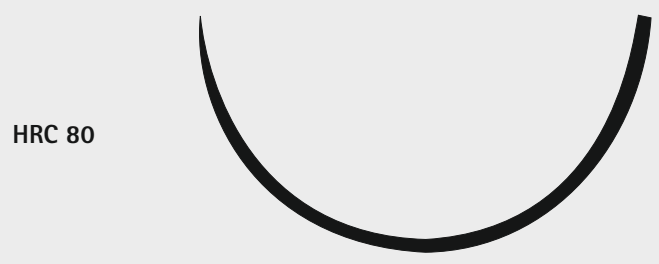


HRC 43s
 HRC 43s "Take off"

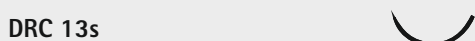
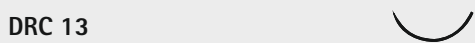
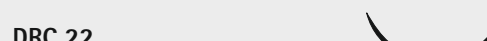
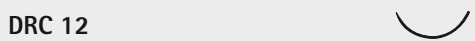
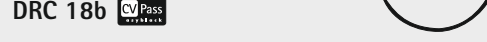
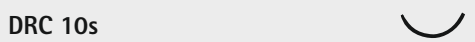
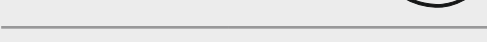
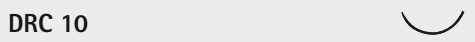
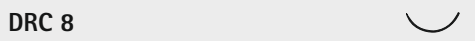
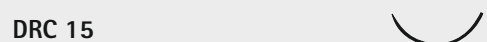
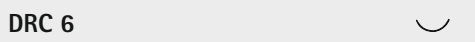


Taper needle with short cutting point 
 Round bodied needle with short cutting point

1/2 circle



3/8 circle



B. Braun needles

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

5/8 circle

FRC 10



Hook

JRC 30s



Progressive curved

PRC 10



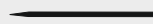
PRC 24

PRC 13



Straight

GRC 24



Trocar needle ⊕

Round bodied needle with trocar point

1/2 circle

HRT 13



HRT 17f



HRT 17



HRT 20s



HRT 22



HRT 26



HRT 26s



HRT 30



HRT 30s



HRT 37

HRT 37 "Take off"



HRT 37s



HRT 40



HRT 40s



HRT 43

HRT 43 "Take off"



HRT 43s



HRT 48



HRT 55



HRT 80



B. Braun needles

Trocar needle ⊕

Round bodied needle with trocar point

3/8 circle

DRT 10



DRT 22



DRT 12



DRT 26



DRT 15



DRT 32



DRT 18



5/8 circle

FRT 17

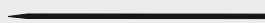


FRT 65



Straight

GRT 40



Trocar needle with micro point ⊕

Round bodied needle with trocar and micro point

3/8 circle

DRTM 8



DRTM 12



Taper needle with sternum point ▲

Round bodied needle with sternum point

1/2 circle

HRS 40



HRS 55



HRS 48



HRS 60



B. Braun needles

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

1/2 circle

HRN 30



HRN 50s



HRN 35
 HRN 35 "Take off"



HRN 60



HRN 40



HRN 65



HRN 45



HRN 75



HRN 48



HRN 85



HRN 50
 HRN 50 "Take off"



3/8 circle

DRN 16



DRN 64



DRN 25



Straight

GRN 12



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

1/2 circle

HRB 26
HRB 26 "Take off"



HRB 48
HRB 48 "Take off"



HRB 37s
HRB 37s "Take off"



HRB 65



HRB 40s
HRB 40s "Take off"



B. Braun needles

Reverse cutting needle ▼

1/2 circle

HS 9



HS 15



HS 17s "Take off"



HS 17ss "Take off"



HS 18



HS 21



HS 21 "Take off"

HS 23



HS 23 "Take off"

HS 23ss



HS 23ss "Take off"

HS 26



HS 26s



HS 26s "Take off"

HS 26ss



HS 26ss "Take off"

HS 30



HS 30 "Take off"

HS 37



HS 37s



HS 37ss



HS 37ss "Take off"

HS 40



HS40s

HS40s "Take off"



HS 40ss

HS 40ss "Take off"



HS 48f



HS 48

HS 48 "Take off"



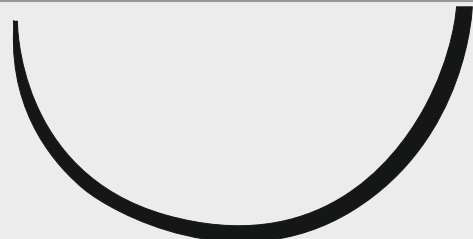
HS 55



HS 60



HS 120



Reverse cutting needle ▼

3/8 circle

DS 9



DS 12



DS 16f



DS 16



DS 19f



DS 19



DS 24

DS 24 "Take off"



DS 30

DS 30 "Take off"



DS 35



DS 39



DS 45



DS 48



DS 60



DS 76



DS 90



DS 100



5/8 circle


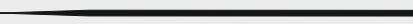
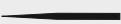
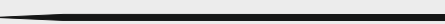



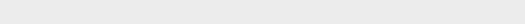

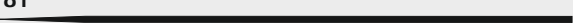
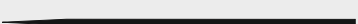

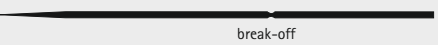
FS 25



B. Braun needles

Reverse cutting needle ▼

Straight

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

Reverse cutting needle with precision point ▼

1/2 circle

HSMP 7



HSMP 18



HSMP 9



HSMP 23



HSMP 12



HSMP 15



3/8 circle

DSMP 6



DSMP 19



DSMP 7



DSMP 24



DSMP 9



DSMP 24s



DSMP 11



DSMP 13



DSMP 30



DSMP 15



DSMP 35



DSMP 16



DSMP 16s



DSMP 39



Progressive curved

PSMP 16



B. Braun needles

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

Lancet needle with micro point ▾

1/2 circle

HLM 6



HLM 8



1/4 circle

VLM 6



VLM 10



VLM 8



Sutures

Absorbable sutures

Non-absorbable sutures

Mechanical sutures

Sets

Absorbable sutures

Safil® Quick

Safil®

Novosyn®

Monosyn® Quick

Monosyn®

MonoPlus®

Monomax®

Absorbable sutures

Colour and article coding for easy box content identification



Safil® Quick+

Absorbable sutures

Description

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

Properties

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

Indications

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




Advantages

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









Safil® Quick+

Product overview

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

Safil® Quick+

Needle-thread combination 










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

C Box of 36 units

B Box of 24 units








G Box of 12 units

M Box of 6 units

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

Safil® Quick+

Needle-thread combination **Easyslide**





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

C Box of 36 units

B Box of 24 units









G Box of 12 units

M Box of 6 units

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

Safil® Quick+

Needle-thread combination **Easyslide**












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

C Box of 36 units

B Box of 24 units











G Box of 12 units

M Box of 6 units

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

Safil® Quick+

Needle-thread combination **Easyslide**









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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Safil® Quick+

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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Safil®

Absorbable sutures

Description

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

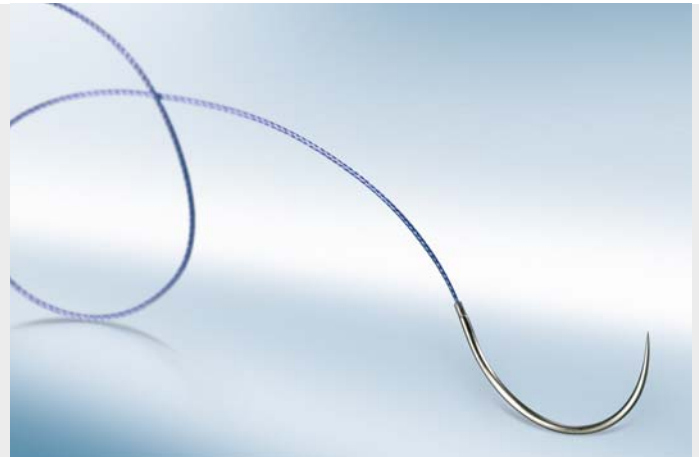
Safil® degrades by hydrolysis and provides predictable and reliable absorption.

Properties

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

Indications

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

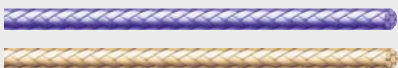


Advantages

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

Safil®

Product overview

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

Needle-thread combination










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

C Box of 36 units









B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination








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

C Box of 36 units








B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination




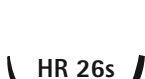
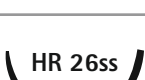




| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|---|-------------------------------|------------|----------|----------------------|----------------------|----------------------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 |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

C Box of 36 units





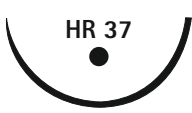




B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination







| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|--|-------------------------------|------------|----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 | |
| 1/2 circle round bodied needle | | | | | | | | | | |
|  2xHR 30 | 70 | | | | | | C1048747 | | | |
| | 90 Violet | | | | | | | C1048174 | | |
|  HR 30s | 70 Violet | | | | | | C1078330 | C1048548 | C1048549 | |
|  HR 30ss | 70 90 Violet | | | | | | | C1078716 | C1048559 C1048646 | |
|  HR 30ss "Take off" | 4 x 70 Violet | | | | | | | | B1078803 | |
|  HR 37 | 70 90 Violet | | | | | C1048050 C1048550 | C1048051 C1048551 | C1048052 C1048552 | C1048053 C1048553 | C1048054 |
| | 70 90 Undyed | | | | | C1049050 | C1049585 | | | |
|  HR 37 "Take off" | 4 x 45 4 x 70 Violet | | | | | C1078769 C1078669 | C1078770 B1078670 | | | |
|  2xHR 37 | 90 Violet | | | | | | | | C1048809 | |
|  HR 37s Loop | 30 Violet | | | | | | | C1048693 | | |
|  HR 37s | 45 70 90 Violet | | | C1048952 C1048953 | C1048094 C1048955 | C1048095 C1048595 | C1048096 C1048956 | C1048097 C1048597 | C1048098 C1048598 | |
| | 70 90 Undyed | | | | | C1049099 C1049594 | C1049095 C1049595 | C1049096 C1049596 | C1049097 C1049597 | C1049098 C1049598 |

C Box of 36 units






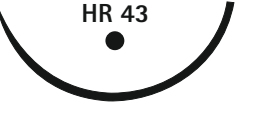
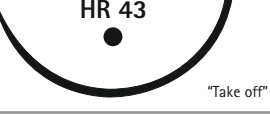



B Box of 24 units

G Box of 12 units

M Box of 6 units

| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|--|-------------------------------|------------|----------|------------|----------------------|----------------------|----------------------------------|----------------------------------|----------------------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 1/2 circle round bodied needle | | | | | | | | | |
|  HR 37s "Take off" | 4 x 45 4 x 70 Violet | | | | C1078794 | C1078795 B1078695 | B1078796 B1078696 | B1078797 B1078697 | B1078798 B1078698 |
| | 4 x 45 4 x 70 Undyed | | | | C1049794 | C1049795 | B1049796 B1049696 | B1049797 B1049697 | |
|  HR 37s | 4 x 90 Violet | | | | | | B1078652 | | |
|  HR 37s "Take off" | 8 x 45 Violet | | | | M1078135 | M1078136 | M1078137 | | |
| | 8 x 45 8 x 70 Undyed | | | | M1049130 | M1049131 | M1049504 | M1049505 | |
|  HR 37ss | 70 90 Violet | | | | | C1048121 | C1048122 C1048576 | C1048123 C1048577 | C1048324 C1048655 |
| | 70 Undyed | | | | | | C1049122 | C1049123 | |
|  HR 37ss "Take off" | 4 x 45 4 x 70 Violet | | | | | | B1078806 B1078706 | B1078807 | |
| | 70 90 100 Violet | | | | | | C1048175 C1048569 B1048662 | C1048457 C1048571 B1048668 | C1048661 B1048676 |
|  HR 40s | 70 90 120 Violet | | | | C1048059 C1048466 | C1048055 C1048467 | C1048056 C1048556 C1048367 | C1048057 C1048557 C1048555 | C1048058 C1048558 |
| | 70 90 Undyed | | | | C1049466 | C1049055 C1049467 | C1049058 C1049559 | C1049057 C1049557 | C1049558 |

Needle-thread combination













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

C Box of 36 units









B Box of 24 units

G Box of 12 units

M Box of 6 units

| Needle length mm | Thread length cm colour | USP metric | | | | | | | | | |
|--|-------------------------------|------------|----------|------------|----------|----------|----------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 | | |
| 1/2 circle round bodied needle | | | | | | | | | | | |
|  HR 48 "Take off" | 4 x 45 | | | | | | | B1078786 | B1078787 | B1078788 | |
| | 4 x 70 | | | | | | | | B1078682 | B1078688 | |
| | Violet | | | | | | | | | | |
|  HR 60 "Take off" | 4 x 45 | | | | | | | B1049786 | | | |
| | Undyed | | | | | | | | | | |
| | 8 x 45 | | | | | | | | M1078102 | M1078103 | |
|  HR 60 Loop | 8 x 70 | | | | | | | | | M1078204 | |
| | Violet | | | | | | | | | | |
| | | | | | | | | | | | |
|  HR 60 "Take off" | 70 | | | | | | C1048064 | C1048065 | C1048066 | C1048068 | |
| | Violet | | | | | | | | | | |
| | | | | | | | | | | | |
|  HR 60 Loop | 150 | | | | | | | | B1048380 | | |
| | Violet | | | | | | | | | | |
| | | | | | | | | | | | |
|  HR 65 "Take off" | 70 | | | | | | | B1048071 | | B1048072 | |
| | 90 | | | | | | | | | B1048639 | B1048640 |
| | 150 | | | | | | | | | | B1048940 |
|  HR 65 "Take off" | Violet | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  HR 65 Loop | 140 | | | | | | | | | B1049372 | |
| | Undyed | | | | | | | | | | |
| | 4 x 70 | | | | | | | | | B1078655 | B1078656 |
|  HR 65 Loop | Violet | | | | | | | | | | |
| | | | | | | | | | | | |
| | 2 x 70 | | | | | | | | | | G1049075 |
|  HR 65 Loop | Undyed | | | | | | | | | | |
| | | | | | | | | | | | |
| | 150 | | | | | | | | | B1048919 | |
|  HR 65 Loop | Violet | | | | | | | | | | |
| | | | | | | | | | | | |
| | 240 | | | | | | | | | B1048929 | B1048930 |
|  HR 65 Loop | Violet | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Needle-thread combination










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

C Box of 36 units






B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination

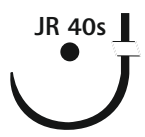









| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|---|-------------------------------|------------|----------|------------|----------|----------------------|----------------------|----------------------|--------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 |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

C Box of 36 units



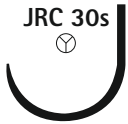
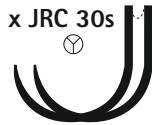





B Box of 24 units

G Box of 12 units

M Box of 6 units

| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|--|-------------------------------|------------|----------|------------|----------|----------|----------|--------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| Hook needle with taper point | | | | | | | | | |
|  JR 40s | 70 | | | | | | | | C1048478 |
| | Violet | | | | | | | | |
| Round bodied ski needle | | | | | | | | | |
|  SKR 19 | 20 | | | C1048752 | C1048753 | C1048754 | | | |
| | 45 | | | | C1048154 | | | | |
| | 120 | | | C1048755 | C1048756 | C1048757 | | | |
| Violet | | | | | | | | | |
|  SKR 26 | 20 | | | | C1048746 | C1048749 | | | |
| | 30 | | | | | C1048629 | | | |
| | 40 | | | | C1048745 | | | | |
| | 120 | | | | C1048744 | C1048751 | C1048781 | | |
| Violet | | | | | | | | | |
|  SKR 26 | 4 x 45 | | | | C1048850 | C1048851 | | | |
| | Violet | | | | | | | | |
| Straight round bodied needle | | | | | | | | | |
|  GR 19 | 20 | | | C1048281 | C1048284 | | | | |
| | 35 | | | C1048944 | | | | | |
| | 70 | | | | C1048285 | | | | |
| | Violet | | | | | | | | |
|  GR 19 | 40 | | | C1048945 | | | | | |
| | Violet | | | | | | | | |
|  2xGR 19 | 35 | | | C1048943 | | | | | |
| | Violet | | | | | | | | |
|  GR 65 | 90 | | | | | C1048994 | | | |
| | Violet | | | | | | | | |
| 1/2 circle round bodied needle with short cutting point | | | | | | | | | |
|  HRC 22 | 70 | | | C1048325 | C1048326 | | | | |
| | 120 | | | | | C1048311 | | | |
| | Violet | | | | | | | | |
|  HRC 26 | 70 | | | | C1048335 | | | | |
| | 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 |
| 3/8 circle round bodied needle with short cutting point | | | | | | | | | |
| DRC 12  | 70 Violet | C1048300 | C1048301 | C1048302 | | | | | |
| 5/8 circle round bodied needle with short cutting point | | | | | | | | | |
| FRC 10  | 30 Violet | C1048798 | | | | | | | |
| Hook curved round bodied needle with short cutting point | | | | | | | | | |
| JRC 30s  | 70 90 120 Violet | | | | | | C1048193 | C1048194 | C1048477 C1048476 C1048857 |
| 2 x JRC 30s  | 45 60 Violet | | | | | C1048195 C1048483 | C1048479 C1048482 | | |
| Progressive curved round bodied needle with short cutting point | | | | | | | | | |
| PRC 24  | 120 Violet | | | | | C1048807 | | | |
| Straight round bodied needle with short cutting point | | | | | | | | | |
| GRC 24  | 120 Violet | | | C1048176 | | | | | |
| 1/2 circle round bodied needle with trocar point | | | | | | | | | |
| HRT 17  | 70 Violet | | C1048312 | C1048313 | C1048314 | C1048315 | C1048316 | C1048317 | |
| HRT 20s  | 70 Violet | | | | | C1048785 | | | |
| HRT 22  | 70 Violet | | C1048329 | C1048330 | C1048331 | C1048332 | C1048333 | | |
| | 70 Undyed | | | | | | | C1049333 | |

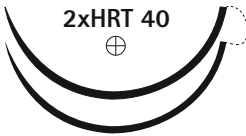








C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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








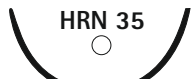
| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|--|-------------------------------|------------|----------|------------|----------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 1/2 circle round bodied needle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

C Box of 36 units









B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination






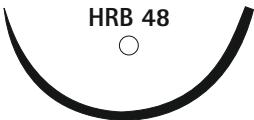
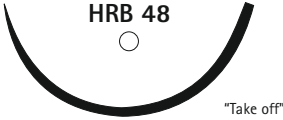

| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|--|-------------------------------|------------|----------|------------|----------|----------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 | |
| 1/2 circle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

C Box of 36 units













B Box of 24 units

G Box of 12 units

M Box of 6 units

| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|--|-------------------------------|------------|----------|------------|----------|----------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 | |
| 1/2 circle round bodied needle with protection point | | | | | | | | | | |
|  HRB 26 | 90 Undyed | | | | | | | C1049822 | C1049823 | |
|  HRB 26 "Take off" | 8 x 45 Undyed | | | | M1049828 | | | | | |
|  HRB 37s "Take off" | 8 x 45 Undyed | | | | | M1049819 | M1049820 | M1049821 | | |
|  HRB 40s | 90 Violet | | | | | | C1048987 | C1048988 | | |
|  HRB 40s "Take off" | 8 x 45 Violet | | | | | | | M1078296 | | |
|  HRB 48 | 90 Undyed | | | | | | C1049778 | C1049772 | | |
|  HRB 48 "Take off" | 8 x 45 Undyed | | | | | | | M1049771 | | |
|  HRB 65 | 90 Violet | | | | | | | | B1078306 | B1048872 |

Needle-thread combination







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

C Box of 36 units









B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination










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

C Box of 36 units







B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination










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

C Box of 36 units









B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination








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

C Box of 36 units

B Box of 24 units







G Box of 12 units

M Box of 6 units

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

Needle-thread combination



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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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

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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Novosyn®

Absorbable sutures

Description

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

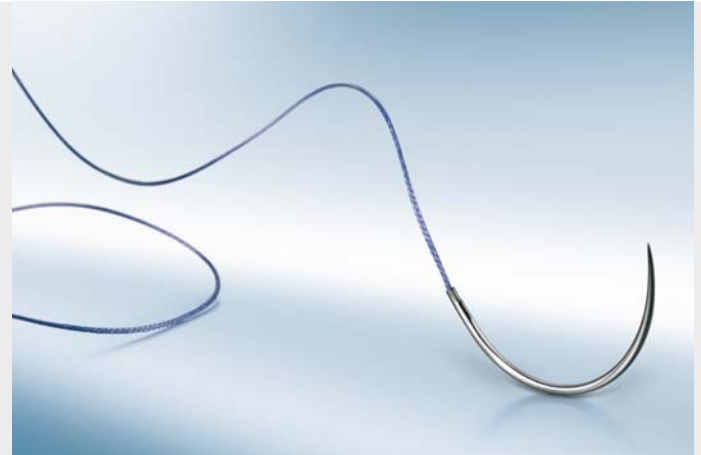
Novosyn® degrades by hydrolysis and provides a predictable and reliable absorption.

Properties

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

Indications

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

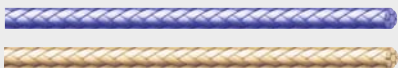


Advantages

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

Novosyn®

Product overview

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











| 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 micro-needle taper point | | | | | | | | | | | | |
| 135° |  | 140µ | 20 | G0068145 | | | | | | | | |
| | | | 35 | G0068146 | | | | | | | | |
| | | | Violet | | | | | | | | | |
| 135° |  | 140µ | 30 | G0068796 | | | | | | | | |
| | | | | | | | | | | | | |
| | | | Violet | | | | | | | | | |
| 1/2 circle micro-lancet needle | | | | | | | | | | | | |
| 160° |  | 150µ | 30 | G0068715 | | | | | | | | |
| | | | | | | | | | | | | |
| | | | Violet | | | | | | | | | |
| 3/8 circle micro-lancet needle | | | | | | | | | | | | |
| 140° |  | 150µ | 30 | G0068699 | | | | | | | | |
| | | | | | | | | | | | | |
| | | | Violet | | | | | | | | | |
| 140° |  | 150µ | 15 | G0068615 | G0068609 | | | | | | | |
| | | | 20 | | | | | | | | | |
| | | | 30 | G0068724 | | | | | | | | |
| | | | Violet | | | | | | | | | |
| 140° |  | 150µ | 30 | G0068702 | | | | | | | | |
| | | | 45 | G0068701 | | | | | | | | |
| | | | Violet | | | | | | | | | |
| 137° |  | 200µ | 30 | G0068620 | G0068621 | | | | | | | |
| | | | | | | | | | | | | |
| | | | Violet | | | | | | | | | |
| 137° |  | 200µ | 30 | G0068710 | G0068712 | | | | | | | |
| | | | 45 | G0068713 | G0068711 | | | | | | | |
| | | | | | | | | | | | | |
| | | | Violet | | | | | | | | | |
| 1/4 circle micro-lancet needle | | | | | | | | | | | | |
| 97° |  | 200µ | 45 | | G0068612 | | | | | | | |
| | | | | | | | | | | | | |
| | | | Violet | | | | | | | | | |
| 1/2 circle lancet needle with micro-point | | | | | | | | | | | | |
| 175° |  | 200µ | 30 | G0068740 | | | | | | | | |
| | | | 45 | | G0068741 | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | Violet | | | | | | | | | |
| | | | 30 | | | G0069739 | | | | | | |
| | | | 45 | | | G0069740 | | | | | | |
| | | | Undyed | | | | | | | | | |








C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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







| Needle | | Thread | USP metric | | | | | | | | |
|---|-------------------------------|--------|---------------------|------------|------------|------------|----------|------------|----------|----------|----------|
| angle | length mm diameter microns | | length cm colour | 8/0 0.4 | 7/0 0.5 | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 |
| 1/2 circle round bodied needle | | | | | | | | | | | |
|  | | 45 | | | | C0068449 | C0068450 | C0068451 | | | |
| | | 70 | | | | C0068006 | C0068007 | C0068008 | C0068009 | | |
| | | 90 | | | | | | C0068452 | | | |
| | | Violet | | | | | | | | | |
| | | 45 | | | | C0069405 | C0069407 | C0069408 | | | |
| | | 70 | | | | | C0069007 | C0069008 | | | |
|  | | 4 x 45 | | | | | C0088718 | C0088719 | | | |
| | | Violet | | | | | | | | | |
| | | 8 x 45 | | | | | M0088190 | M0088191 | | | |
| | | Violet | | | | | | | | | |
|  | | 70 | | | | | | C0068910 | | | |
| | | Violet | | | | | | | | | |
|  | | 45 | | | | | | | C0088320 | C0088321 | C0088322 |
| | | 70 | | | | | | | C0068120 | C0068110 | C0068111 |
| | | Violet | | | | | | | | | |
| | | 70 | | | | | | | | C0069758 | |
| | | Undyed | | | | | | | | | |
| | | 45 | | | | | | | | | |
|  | | 70 | | | | C0068011 | C0068012 | C0088340 | | | |
| | | 90 | | | | | | C0068013 | C0068014 | C0068015 | C0068016 |
| | | Violet | | | | | | C0068853 | C0068854 | | |
| | | 70 | | | | | C0069011 | C0069012 | C0069013 | C0069014 | C0069015 |
| | | Undyed | | | | | | | | | |
| | | HR 17 | | | | | | | | | |
|  | | 30 | | | | | C0068469 | | | | |
| | | Violet | | | | | | | | | |
|  | | 4 x 45 | | | | | | | C0088717 | B0088712 | |
| | | Violet | | | | | | | | | |
| | | 4 x 45 | | | | | | | B0069712 | | |
| | | Undyed | | | | | | | | | |






C Box of 36 units





B Box of 24 units







G Box of 12 units

M Box of 6 units

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

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

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









| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|---|-------------------------------|------------|------------|----------|----------|----------|----------|----------|--------|
| | | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 | 3 6 |
| 1/2 circle round bodied needle | | | | | | | | | |
|  HR 26 "Take off" | 4 x 45 | | C0088740 | C0088741 | C0088742 | | | | |
| | 4 x 70 | | C0088640 | C0088641 | C0088642 | B0088643 | | | |
| | 4 x 90 | | B0088636 | | | | | | |
| | Violet | | | | | | | | |
| | 4 x 45 | | | C0089641 | C0089642 | | | | |
| | 4 x 70 | | | C0089741 | C0089742 | C0089743 | | | |
| | Undyed | | | | | | | | |
| | 8 x 45 | | M0088170 | M0088171 | M0088172 | | | | |
| | 8 x 70 | | M0088237 | M0088239 | M0088241 | M0088243 | | | |
| | 8 x 90 | | M0088271 | | | | | | |
| | Violet | | | | | | | | |
| | 8 x 45 | | | M0089116 | M0089117 | M0089118 | | | |
| 8 x 70 | | | M0089499 | M0089500 | | | | | |
| Undyed | | | | | | | | | |
|  2xHR 26 | 70 | | | | | C0068907 | | | |
| | 90 | | C0068900 | C0068901 | C0068902 | C0068903 | C0068905 | B0068906 | |
| | Violet | | | | | | | | |
|  HR 26s | 45 | | | | C0068019 | | | | |
| | 70 | | | C0068089 | C0068090 | C0068091 | C0068092 | C0068093 | |
| | 90 | | | C0068589 | C0068590 | C0068591 | C0068592 | C0068613 | |
| | Violet | | | | | | | | |
| | 70 | | | C0069089 | C0069090 | C0069091 | C0069092 | | |
| | Undyed | | | | | | | | |
| | 4 x 70 | | | | | B0068135 | | | |
| Violet | | | | | | | | | |
|  HR 26s "Take off" | 4 x 45 | | | C0088789 | C0088790 | B0088791 | B0088792 | B0088793 | |
| | 4 x 70 | | | | | B0088691 | B0088692 | B0088693 | |
| | Violet | | | | | | | | |
| | 8 x 45 | | | M0088163 | M0088164 | M0088165 | M0088166 | M0088167 | |
| 8 x 70 | | | | | M0088232 | M0088233 | M0088234 | | |
| Violet | | | | | | | | | |
|  2xHR 26s | 90 | | | | | | C0068915 | | |
| | Violet | | | | | | | | |
|  HR 26ss | 45 | | | | | C0068890 | | | |
| | 70 | | | | C0068790 | C0068791 | C0068100 | C0068793 | |
| | 90 | | | | | | C0068580 | C0068642 | |
| | Violet | | | | | | | | |
















C Box of 36 units












B Box of 24 units






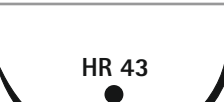
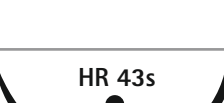


G Box of 12 units

M Box of 6 units

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

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

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




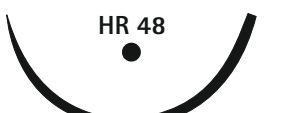
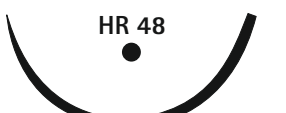



| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|---|-------------------------------|------------|------------|----------|----------|----------|----------|----------|--------|--|
| | | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 | 3 6 | |
| 1/2 circle round bodied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

C Box of 36 units






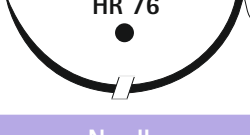



B Box of 24 units





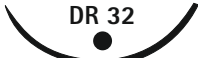



G Box of 12 units










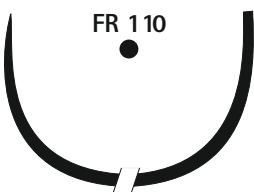
M Box of 6 units

| 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 48 | 70 | | | C0068099 | C0068060 | C0068061 | C0068062 | C0068063 | |
| | 90 | | | | C0068560 | C0068561 | C0068562 | C0068563 | |
| | 120 | | | C0068564 | | | | B0068779 | |
| | Violet | | | | | | | | |
|  HR 48 Loop | 70 | | | C0069059 | C0069060 | C0069061 | C0069062 | C0069063 | |
| | 90 | | | C0069565 | C0069564 | C0069563 | C0069562 | C0069561 | |
| | Undyed | | | | | | | | |
| | 4 x 70 | | | | | | B0088682 | | |
| | Violet | | | | | | | | |
|  HR 48 Loop | 150 | | | | | B0068158 | B0068119 | | |
| | Violet | | | | | | | | |
|  HR 48 "Take off" | 4 x 45 | | | B0088784 | B0088785 | B0088786 | B0088787 | B0088788 | |
| | 4 x 70 | | | | | | B0088687 | B0088688 | |
| | 4 x 90 | | | | | | | B0088020 | |
| | Violet | | | | | | | | |
| | 4 x 45 | | | B0089065 | B0089066 | B0089786 | | | |
| | Undyed | | | | | | | | |
|  HR 48 "Take off" | 8 x 45 | | | M0088100 | M0088101 | M0088102 | M0088103 | M0088104 | |
| | 8 x 70 | | | | | | M0088203 | M0088204 | |
| | Violet | | | | | | | | |
| | 8 x 45 | | | M0089138 | M0089139 | M0089140 | | | |
| | Undyed | | | | | | | | |
|  HR 60 | 70 | | | | C0068064 | B0068065 | C0068066 | C0068068 | |
| | Violet | | | | | | | | |
|  HR 60 Loop | 150 | | | | C0068454 | B0068455 | B0068380 | | |
| | Violet | | | | | | | | |
|  HR 65 | 70 | | | | C0068071 | | B0068072 | | |
| | 90 | | | | | | B0068639 | B0068640 | |
| | 150 | | | | | | B0068939 | B0068940 | |
| | Violet | | | | | | | | |

Needle-thread combination

| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|--|-------------------------------|------------|------------|----------------------|----------|------------|----------------------|----------|----------------------|----------|
| | | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 | 3 6 | |
| 1/2 circle round bodied needle | | | | | | | | | | |
|  HR 65 "Take off" | 4 x 70 Violet | | | | | | | | B0088655 | B0088656 |
|  2xHR 65 | 70 Violet | | | | | | | | | B0068680 |
|  HR 65 Loop | 150 240 Violet | | | | | | | | B0068919 B0068929 | B0068930 |
|  HR 70 | 70 Violet | | | | | | | | B0068183 | |
|  HR 76 | 70 90 150 Violet | | | B0068073 B0068578 | B0068074 | B0068075 | B0068076 B0068579 | B0068077 | B0068931 | |
|  HR 76 Loop | 150 Violet | | | | | | | | B0068927 | B0068928 |
| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
| | | 8/0 0.4 | 7/0 0.5 | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | |
| 3/8 circle round bodied needle | | | | | | | | | | |
|  DR 8 | 30 Violet | C0068133 | | C0068433 | | | | | | |
|  DR 10 | 45 Violet | | C0068101 | C0068102 | C0068103 | | | | | |
|  DR 12 | 45 60 70 Violet | | | | C0068134 | | C0068105 | | | |
| | | | | C0068434 | C0068435 | C0068436 | | | | |

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

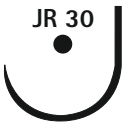


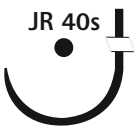


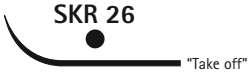
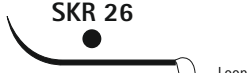

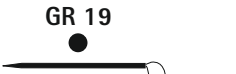
| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|---|-------------------------------|------------|----------|------------|----------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 5/8 circle round bodied needle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









C Box of 36 units














B Box of 24 units




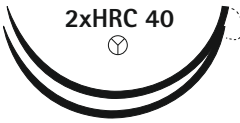





G Box of 12 units

M Box of 6 units

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

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

| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|---|-------------------------------|------------|----------|------------|----------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 1/2 circle round bodied needle with short cutting point | | | | | | | | | |
|  | 20 | | | | | | | | |
| | 70 | | | | C0068694 | C0068334 | C0068337 | | |
| | 120 | | | | | C0068335 | C0068336 | C0068343 | C0068698 |
| | Violet | | | | | C0068339 | C0068345 | | |
|  | 70 | | | | | | C0069763 | | |
| | 90 | | | | | C0069778 | C0069779 | | |
|  | 4 x 45 | | | | | C0088035 | C0088036 | | |
| | 4 x 70 | | | | | B0088065 | C0088066 | B0088075 | |
| | Violet | | | | | | | | |
| | "Take off" | 8 x 45 | | | | | M0088037 | | |
|  | 8 x 70 | | | | | | | M0088275 | |
| | Violet | | | | | | | | |
|  | 70 | | | | | | C0068441 | C0068721 | C0068444 |
| | Violet | | | | | | | | |
|  | 70 | | | | | | | | C0069444 |
| | Undyed | | | | | | | | |
|  | 70 | | | | | C0068373 | C0068372 | C0068371 | C0068374 |
| | Violet | | | | | | | | |
|  | 70 | | | | | | | C0068716 | |
| | 90 | | | | | | | | C0068375 |
| | Violet | | | | | | | | |
|  | 70 | | | | | C0068360 | C0068361 | C0068362 | C0068363 |
| | 90 | | | | | C0068139 | C0068140 | C0068141 | C0068142 |
| | Violet | | | | | | | | C0068143 |
| | 70 | | | | | | C0069812 | | |
|  | 90 | | | | | C0069864 | C0069865 | C0069866 | C0069867 |
| | Undyed | | | | | | | C0069868 | |
|  | 150 | | | | | | C0068187 | | |
| | Violet | | | | | | | | |
|  | 4 x 45 | | | | | | C0088285 | B0088286 | |
| | 4 x 90 | | | | | B0088290 | | | |
|  | Violet | | | | | | | | |
| | "Take off" | | | | | | | | |


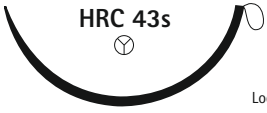

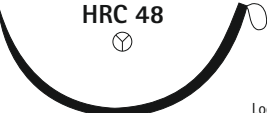



| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|--|-------------------------------|------------|----------|------------|----------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 1/2 circle round bodied needle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

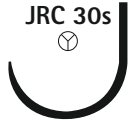
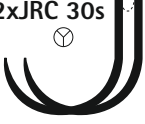






C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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

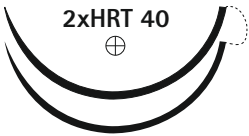







| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|--|-------------------------------|------------|----------|------------|----------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| Hook curved round bodied needle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

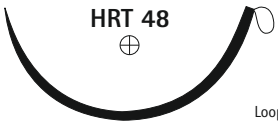
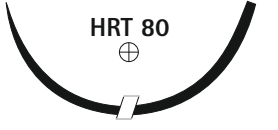







C Box of 36 units



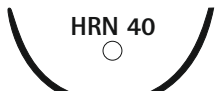



B Box of 24 units



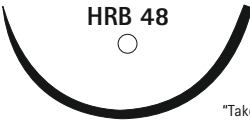



G Box of 12 units







M Box of 6 units



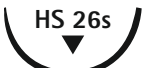
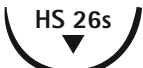

| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|---|-------------------------------|------------|----------|------------|----------|----------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 | |
| 1/2 circle round bodied needle with trocar point | | | | | | | | | | |
|  | 70 Violet | | | | | | | | C0068780 | |
|  | 70 Violet | | | | | | | C0068413 | C0068484 | C0068492 |
| | 70 Undyed | | | | | | C0069672 | C0069671 | C0069670 | |
|  | 70 90 Violet | | | | C0068348 | C0068349 | C0068351 | | | |
| | 70 Undyed | | | | | | C0068997 | C0068471 | C0068472 | |
|  | 4 x 45 Violet | | | | | | C0088124 | | | |
|  | 150 Violet | | | | | | | C0068346 | B0068347 | |
|  | 70 90 140 Violet | | | | | | C0068352 | | C0068474 | C0068353 |
| | 90 Undyed | | | | | | C0069378 | | C0068470 | C0068473 |
|  | 150 Violet | | | | | | | B0068356 | B0068357 | |
| | 150 Undyed | | | | | | | | B0069357 | |
|  | 70 | | | | | | C0068400 | C0068401 | C0068402 | C0068403 |
| | 90 | | | | | C0068504 | C0068500 | C0068501 | C0068502 | C0068503 |
| | 150 | | | | | | | | B0068520 | |
| | Violet | | | | | | | | | |






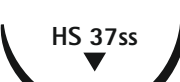


| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|--|-------------------------------|------------|----------|------------|----------------------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 1/2 circle round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






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


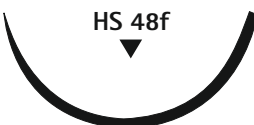

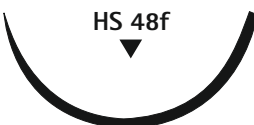





| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|---|-------------------------------|------------|----------|------------|----------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 1/2 circle round bodied needle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

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

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

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

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

| 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 40ss "Take off" | 3 x 45 | | | | | | | | | |
| | 4 x 45 | | | | | | | | | |
| | Violet | | | | | | C0088932 | B0088704 | B0088911 B0088912 | B0088935 |
| | 4 x 45 Undyed | | | | | | | B0089722 | B0089912 | |
|  HS 48f | 8 x 45 | | | | | | | | | |
| | Violet | | | | | | M0088040 | M0088041 | M0088042 | M0088043 |
|  HS 48 | 8 x 45 Undyed | | | | | | | M0089171 | M0089172 | |
| | 90 | | | | | | | | | |
|  HS 48f | Violet | | | | | | | | C0068464 | |
| | 70 | | | | | | | | | |
|  HS 48 | 90 | | | | | | | | | |
| | Violet | | | | | | C0068691 | C0068261 C0068461 | C0068262 C0068462 | C0068263 C0068463 |
| | 70 | | | | | | | | | |
| | 90 | | | | | | | C0069349 C0069362 | C0069350 C0069363 | C0069364 |
|  HS 48 | 4 x 90 | | | | | | | | | |
| | Violet | | | | | | | | | B0088685 |
|  HS 48 "Take off" | 8 x 90 | | | | | | | | | |
| | Violet | | | | | | | | | M0088259 |
|  HS 48 Loop | 150 | | | | | | | | | |
| | Violet | | | | | | | | | B0068303 |
|  HS 48 | 90 | | | | | | | | | |
| | Violet | | | | | | | | | B0068683 |

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 55 | 70 | | | | | | | | C0068227 |
| | Violet | | | | | | | | |
| 3/8 circle reverse cutting needle | | | | | | | | | |
|  DS 9 | 45 | C0068202 | | | | | | | |
| | Violet | | | | | | | | |
| | 45 | C0069205 | | | | | | | |
| | Undyed | | | | | | | | |
|  DS 12 | 45 | C0068206 | C0068207 | C0068208 | | | | | |
| | 70 | C0068506 | C0068507 | C0068508 | | | | | |
| | Violet | | | | | | | | |
| | 45 | C0069206 | C0069207 | C0069208 | | | | | |
| | 70 | C0069330 | C0069331 | | | | | | |
| | Undyed | | | | | | | | |
|  2xDS 12 | 45 | C0068706 | C0068769 | | | | | | |
| | Violet | | | | | | | | |
| | 45 | C0069706 | | | | | | | |
| | Undyed | | | | | | | | |
|  DS 16 | 45 | | C0068212 | C0068213 | C0068214 | C0068215 | | | |
| | 70 | | C0068512 | C0068513 | C0068514 | | | | |
| | 90 | | C0068511 | | | | | | |
| | Violet | | | | | | | | |
| | 45 | | C0069212 | C0069213 | C0069214 | | | | |
| | 70 | | | | C0069302 | | | | |
| | Undyed | | | | | | | | |
| | 45 | | C0068219 | C0068220 | C0068221 | | | | |
|  DS 19 | 70 | | C0068419 | C0068420 | C0068421 | C0068422 | | | |
| | 90 | | | C0068224 | C0068223 | | | | |
| | Violet | | | | | | | | |
| | 45 | | C0069219 | C0069220 | C0069221 | | | | |
| | 70 | | C0069419 | C0069420 | C0069421 | C0069422 | | | |
| | 90 | | | C0069224 | C0069223 | | | | |
| | 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 | |
| 3/8 circle reverse cutting needle | | | | | | | | | | |
|  | 2 x 45 Violet | | | C0068729 | | | | | | |
|  | 45 70 150 Violet | | | C0068536 C0068234 | C0068235 | C0068236 C0068537 | C0068237 | C0068232 | | |
| | 45 70 90 Undyed | | | C0069534 C0069234 | C0069535 C0069235 C0069240 | C0069236 | C0069237 | | | |
| | 4 x 45 Violet | | | | C0088953 | | | | | |
|  | "Take off" | | | | | | | | | |
| | 8 x 45 Violet | | | | M0088192 | | | | | |
|  | 70 Violet | | | | C0068246 | C0068247 | C0068248 | C0068249 | C0068245 | |
| | 70 Undyed | | | | C0069246 | C0069247 | C0069248 | C0069244 | | |
|  | 70 Violet | | | | C0068255 | C0068256 | C0068257 | C0068258 | C0068259 | |
| | 70 Undyed | | | | C0069255 | C0069256 | | | | |
|  | 70 90 Violet | | | | | | C0068282 C0068239 | C0068283 C0068240 | | |
| | 70 Undyed | | | | | | C0069252 | C0069253 | | |
| | 70 Violet | | | | | | | C0068453 | | |
|  | 70 Violet | | | | | | | | | |
| | 70 Undyed | | | | | | | | | C0069282 |

| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|---|-------------------------------|------------|----------|------------|----------------------|----------|----------|----------|--------|--|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 | |
| 5/8 circle reverse cutting needle | | | | | | | | | | |
|  | 70 Violet | | | | C0068398 | | | | | |
| | 70 Undyed | | | C0069614 | C0069622 | | | | | |
| Straight cutting needle | | | | | | | | | | |
|  | 45 Violet | | | C0068211 | | | | | | |
|  | 45 Violet | | | C0068920 | | | | | | |
|  | 45 70 Undyed | | | C0069512 | C0069515 | C0069516 | | | | |
| | 70 Violet | | | | C0068272 | C0068274 | C0068275 | | | |
|  | 70 Violet | | | | C0068272 | C0068273 | C0068274 | | | |
| | 70 Undyed | | | C0069271 | C0069272 | C0069273 | C0069274 | | | |
|  | 45 Violet | | | | | | C0068933 | | | |
|  | 45 70 Violet | | | C0068264 | C0068465 C0068265 | C0068266 | | | | |
| | 45 70 Undyed | | | C0069280 | C0069465 C0069265 | C0069267 | | | | |
|  | 70 Violet | | | | | | G0068923 | G0068924 | | |

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

Needle-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 | | | | | | | | | |
| 2xDSMP 11  | 45 Violet | | | C0068726 | | | | | |
| | 45 Undyed | | | C0069807 | | | | | |
| DSMP 13  | 45 70 Violet | | | C0068622 | C0068623 C0068723 | C0068624 | | | |
| | 45 Undyed | | | C0069618 | C0069619 | C0069620 | | | |
| 2xDSMP 13  | 45 Violet | | | | C0068162 | | | | |
| | 45 Undyed | | | | C0069715 | C0069716 | | | |
| DSMP 16  | 45 70 Violet | | | C0068530 | C0068538 C0068782 | C0068531 C0068783 | C0068529 C0068784 | | |
| | 45 70 Undyed | | | C0069526 | C0069525 C0069325 | C0069524 C0069326 | C0069549 C0069327 | | |
| DSMP 19  | 45 70 Violet | | | | C0068626 C0068528 | C0068630 C0068823 | C0068631 C0068824 | | |
| | 45 70 Undyed | | | | C0069628 C0069528 | C0069629 C0069529 | C0069630 C0069530 | C0069531 | |
| DSMP 24  | 45 70 Violet | | | | | | C0068025 C0068864 | C0068022 C0068865 | |
| | 45 70 Undyed | | | | | C0069655 C0069555 | C0069656 C0069556 | C0069657 C0069554 | |

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination



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

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

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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Monosyn® Quick

Absorbable sutures

Description

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

Properties

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

Indications

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



Advantages

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







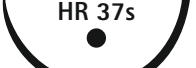

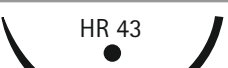
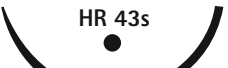

Monosyn® Quick

Product overview

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

Monosyn® Quick

Needle-thread combination 







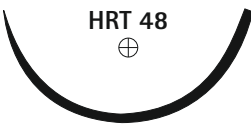



| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|---|-------------------------------|----------------------|----------------------|------------|----------------------|----------------------|----------------------|----------------------|--------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5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

C Box of 36 units

B Box of 24 units












G Box of 12 units

M Box of 6 units

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

Monosyn® Quick

Needle-thread combination 









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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Monosyn®

Absorbable sutures

Description

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

Properties

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

Indications

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










Advantages







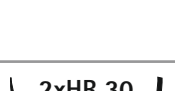


- Ideal degradation profile for soft tissue
- Smooth tissue passage
- Easy handling
- High knot-pull tensile strength
- Excellent knot security
- Rapid mass absorption







Monosyn®

Product overview

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

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

| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|--|-------------------------------|------------|----------|----------------------|----------------------------------|----------------------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 1/2 circle round bodied needle | | | | | | | | | |
|  HR 22 | 4 x 45 | | | C0022510 | C0022511 | C0022512 | | | |
| | 8 x 45 4 x 70 Violet | | | M0022695 C0022061 | M0022696 | | | | |
|  HR 26 | 30 | | | | | C0022023 | | | |
| | 70 90 120 Violet | | C0022423 | C0022024 C0022422 | C0022025 C0022425 C0022424 | C0022026 | C0022027 | C0022028 | |
|  2xHR 26 | 20 | | | | | C0022296 | | | |
| | 70 90 Violet | | | C0022823 C0022824 | C0022835 C0022825 | C0022836 C0022826 | | | |
|  HR 26 | 4 x 45 | | | C0022521 | C0022522 | C0022523 | | | |
| | 4 x 70 8 x 45 Violet | | | M0022260 | C0022572 M0022261 | | | | |
|  HR 26s | 70 | | | C0022084 | C0022085 | C0022086 | C0022087 | C0022088 | |
| | 90 Violet | | | | C0022485 | C0022486 | C0022487 | C0022488 | C0022489 |
|  HR 30 | 70 | | | C0022034 | C0022035 | C0022036 | C0022037 | C0022038 | C0022039 |
| | 90 Violet | | | | | | C0022497 | | |
|  HR 30 | 70 | | | | | | C0023037 | | |
| | Undyed | | | | | | | | |
|  2xHR 30 | 70 | | | | C0022535 | C0022536 | | | |
| | 90 Violet | | | | C0022435 | C0022436 | | | |
|  HR 30 | 4 x 45 | | | | C0022585 | | | | |
| | Violet | | | | | | | | |











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










C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|---|-------------------------------|------------|------------|----------------------|----------------------------------|----------------------------------|----------|----------|----------------------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 1/2 circle round bodied needle | | | | | | | | | |
|  HR 60 | 90 Violet | | | | | | | | B0022490 |
|  HR 65 | 90 Violet | | | | | B0022492 | | | B0022491 |
|  HR 70 | 70 Violet | | | | | | | | C0022760 |
|  HR 76 | 90 150 Violet | | | | | | | | B0022493 B0022494 |
| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
| | | 7/0 0.5 | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 |
| 3/8 circle round bodied needle | | | | | | | | | |
|  2xDR 8 | 45 Violet | | | C0022582 | | | | | |
|  DR 12 | 70 90 Violet | | C0022095 | C0022096 C0022721 | | | | | |
|  2xDR 12 | 70 90 Violet | | C0022854 | C0022830 | | | | | |
|  DR 18 | 70 Violet | | | C0022093 | C0022094 | | | | |
|  DR 18 Loop | 70 Violet | | | | | C0022783 | | | |
|  DR 22 | 30 70 120 Violet | | | | C0022128 C0022110 C0022129 | C0022097 C0022100 C0022112 | | | |











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




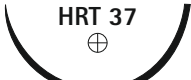






C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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










| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|---|-------------------------------|------------|----------|------------|----------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 1/2 circle round bodied needle with trocar point | | | | | | | | | |
|  HRT 26 | 70 | | | C0022304 | C0022305 | C0022306 | C0022307 | | |
| | 90 Violet | | | | | | C0022507 | | |
|  2xHRT 26 | 70 | | | C0022404 | C0022405 | | | | |
| | Violet | | | | | | | | |
|  HRT 30 | 70 | | | | | C0022336 | C0022337 | | |
| | Violet | | | | | | | | |
|  HRT 37 | 70 | | | | C0022315 | C0022316 | C0022317 | C0022318 | |
| | 90 Violet | | | | C0022314 | C0022516 | C0022517 | C0022518 | C0022519 |
|  HRT 40 | 90 | | | | | | C0022527 | C0022528 | |
| | Violet | | | | | | | | |
|  HRT 48 | 90 | | | | | | C0022332 | C0022333 | |
| | 150 Violet | | | | | | | B0022334 | |
| 3/8 circle round bodied needle with trocar point | | | | | | | | | |
|  DRT 18 | 70 | | C0022343 | C0022344 | | | | | |
| | Violet | | | | | | | | |
|  DRT 22 | 70 | | | C0022354 | C0022355 | | | | |
| | Violet | | | | | | | | |
|  DRT 26 | 70 | | | | C0022365 | C0022366 | | | |
| | Violet | | | | | | | | |
|  DRT 32 | 70 | | | | | C0022376 | C0022377 | C0022378 | |
| | 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 blunt point needle | | | | | | | | | |
|  HRN 35 | 70 | | | | | C0022283 | C0022284 | | |
| | 90 Violet | | | | | | C0022439 | | |
|  HRN 50 | 90 Violet | | | | | | | C0022453 | |
| | 90 Undyed | | | | | | C0023450 | | |
| 3/8 circle round bodied blunt point needle | | | | | | | | | |
|  DRN 64 | 90 Violet | | | | | | | C0022400 | |
| 3/8 circle round bodied with protection point | | | | | | | | | |
|  HRB 26 "Take off" | 8 x 45 Violet | | | | M0022871 | | | | |
|  HRB 37s | 90 Violet | | | | | C0022707 | C0022708 | | |
|  HRB 37s "Take off" | 8 x 45 Violet | | | | M0022287 | M0022890 | M0022891 | | |
|  HRB 48 | 90 Violet | | | | | C0022666 | C0022667 | | |
| 1/2 circle reverse cutting needle | | | | | | | | | |
|  HS 18 | 70 Undyed | C0023263 | C0023264 | | | | | | |
|  2xHS 18 | 30 Undyed | | C0023674 | | | | | | |

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

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

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

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

Monosyn®

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 | |
| length mm | length cm colour | | | | | | | | | |
| 1/2 circle round bodied needle | | | | | | | | | | |
| HR 13b | 70 violet | C0022301 | | | | | | | | |
| HR 17b | 70 violet | | C0022616 | C0022688 | C0022689 | | | | | |
| HR 17b | 8 x 45 violet | | | | | M0022622 | | | | |
| 2xHR 17b | 70 violet | | C0022623 | C0022626 | | | | | | |
| HR 22b | 70 violet | | | C0022659 | C0022660 | C0022661 | | | | |
| HR 22b | 8 x 45 violet | | | M0022627 | M0022628 | | | | | |
| 2xHR 22b | 70 90 violet | | | C0022632 C0022638 | C0022639 | | | | | |
| HR 26b | 70 violet | | | C0022643 | C0022357 | C0022358 | | | | |
| HR 26b | 8 x 45 8 x 70 violet | | | | | M0022645 M0022646 | | | | |
| 2xHR 26b | 70 90 violet | | | | | C0022649 C0022650 | C0022654 | | | |
| Progressive curve round bodied needle | | | | | | | | | | |
| PR 13b | 45 violet | | C0022655 | | | | | | | |

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 |
| Pre-cut sutures | | | | | | | | | |
| 3 threads of 45 cm | 3 x 45 Violet | | | | | C0020005 | C0020006 | C0020007 | C0020008 |
| | 6 x 45 Violet | | | | C0020014 | C0020015 | C0020016 | B0020017 | B0020018 |
| 6 threads of 45 cm | 6 x 45 Undyed | | | | | | | B0023810 | B0023809 |
| | 5 threads of 70 cm | 5 x 70 Violet | | | | C0020025 | C0020026 | C0020027 | B0020028 |
| 1 thread of 140 cm | 1 x 140 Violet | | | | | C0020035 | C0020036 | C0020037 | C0020038 |
| Ligature reels | | | | | | | | | |
| 1 thread of 250 cm | 1 x 250 Violet | | | | | G0020045 | G0020046 | G0020047 | G0020048 |
| | 1 x 250 Undyed | | | | | | G0021246 | | |

MonoPlus®

Absorbable sutures

Description

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

Properties

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

Indications

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



Advantages

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










MonoPlus®

Product overview

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

MonoPlus®

Needle-thread combination











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

C Box of 36 units

B Box of 24 units










G Box of 12 units

M Box of 6 units

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

MonoPlus®

Needle-thread combination










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

C Box of 36 units

B Box of 24 units

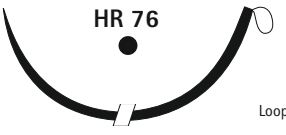










G Box of 12 units

M Box of 6 units

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

MonoPlus®

Needle-thread combination




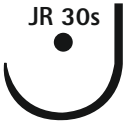

| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|---|-------------------------------|------------|------------|----------|------------|----------|----------|----------|--------|----------|
| | | 7/0 0.5 | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | |
| 1/2 circle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

C Box of 36 units

B Box of 24 units


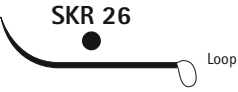


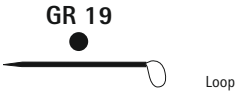


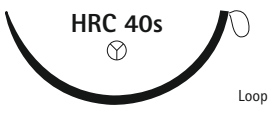

G Box of 12 units

M Box of 6 units

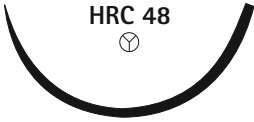
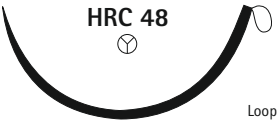





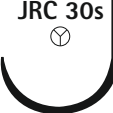

| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|---|-------------------------------|------------|------------|----------|------------|----------|----------|----------------------|----------------------|--|
| | | 7/0 0.5 | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5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

MonoPlus®

Needle-thread combination







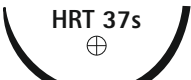

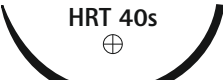

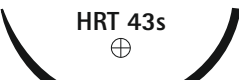

| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|---|-------------------------------|------------|------------|----------|------------|----------|----------|----------|----------|----------|
| | | 7/0 0.5 | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | |
| Round bodied ski needle | | | | | | | | | | |
|  SKR 26 | 30 | | | | | | | | | |
| | 40 | | | | | | | | | |
| | 120 Violet | | | | | | C0024606 | | C0024662 | |
| | | | | | | | | | C0024664 | |
|  SKR 26 Loop | 40 Violet | | | | | C0024650 | | | | |
| Straight round bodied needle | | | | | | | | | | |
|  GR 19 | 30 Violet | | | | | C0024247 | C0024245 | | | |
|  2xGR 19 | 45 Violet | | | | | C0024584 | C0024985 | | | |
|  GR 19 Loop | 40 Violet | | | | | | C0024241 | | | |
|  2xGR 65 | 70 Violet | | | | | | C0024895 | C0024896 | C0024897 | |
| 1/2 circle round bodied needle with short cutting point | | | | | | | | | | |
|  HRC 26 | 70 Violet | | | | | C0024498 | | | | |
|  HRC 40s Loop | 150 Violet | | | | | | | | C0024738 | B0024739 |
|  HRC 43s Loop | 150 Violet | | | | | | | | | B0024267 |

| | | | |
|-------------------|-------------------|-------------------|------------------|
| 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 with short cutting point | | | | | | | | | |
|  HRC 48 | 90 200 Violet | | | | | | | | C0024261 B0024278 |
|  HRC 48 Loop | 150 Violet | | | | | | | C0024749 | B0024750 |
| 3/8 circle round bodied needle with short cutting point | | | | | | | | | |
|  DRC 10 | 70 Violet | C0024221 | C0024222 | | | | | | |
|  2xDRC 10 | 70 Violet | C0024721 | C0024722 | | | | | | |
|  DRC 12 | 70 Violet | | C0024232 | C0024233 | | | | | |
|  2xDRC 12 | 70 Violet | | C0024732 | C0024733 | | | | | |
|  DRC 18 | 70 Violet | | | C0024243 | | | | | |
| Hook curved round bodied needle with short cutting point | | | | | | | | | |
|  JRC 30s | 70 Violet | | | | | | | C0024168 | C0024928 |
| Progressive round bodied needle with short cutting tip | | | | | | | | | |
|  PRC 24 | 120 Violet | | | | | | C0024850 | | |

MonoPlus®

Needle-thread combination


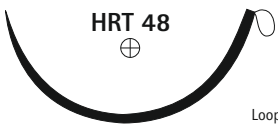
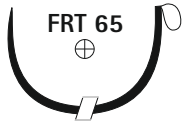





| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|--|-------------------------------|------------|----------|------------|----------|----------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 | |
| 1/2 circle round bodied needle with trocar point | | | | | | | | | | |
|  HRT 17 | 70 Violet | | C0024283 | C0024284 | C0024285 | C0024286 | | | | |
|  HRT 22 | 70 Violet | | | C0024294 | C0024295 | | | | | |
|  HRT 26 | 70 Violet | | | | | C0024305 | C0024306 | C0024307 | | |
|  2xHRT 26 | 70 Violet | | | | | C0024605 | | | | |
|  HRT 30 | 70 Violet | | | | | | C0024311 | | | |
|  HRT 37 | 70 90 Violet | | | | | | C0024316 | C0024517 | C0024518 | |
|  HRT 37s | 70 90 Violet | | | | | | C0024321 | C0024322 | C0024818 | C0024323 |
|  HRT 40 | 90 Violet | | | | | | | C0024543 | | |
|  HRT 40s | 90 Violet | | | | | | | C0024545 | C0024546 | |
|  HRT 40s | 150 Violet | | | | | | | C0024342 | B0024343 | |
|  HRT 43s | 90 Violet | | | | | | | C0024352 | C0024353 | C0024354 |
|  HRT 43s | 150 Violet | | | | | | | | C0024347 | |

C Box of 36 units

B Box of 24 units





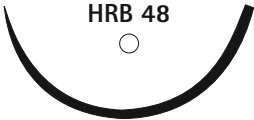
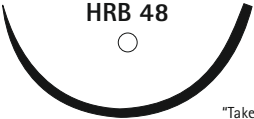

G Box of 12 units

M Box of 6 units

| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|---|-------------------------------|------------|----------|------------|----------|----------|----------------------|----------------------------------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 1/2 circle round bodied needle with trocar point | | | | | | | | | |
|  | 90 Violet | | | | | | C0024332 | C0024333 | |
|  | 150 180 200 Violet | | | | | | C0024394 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 | | | | | | | | | |
|  | 90 Violet | | | | | | C0024404 | | |
|  | 8 x 45 Violet | | | | | | M0024052 | | |
|  | 90 Violet | | C0024406 | | | | | | |
|  | 90 Violet | | C0024408 | | | | | | |
|  | 150 200 Violet | | | | | | B0024357 B0024368 | B0024358 | |

MonoPlus®

Needle-thread combination










| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|--|-------------------------------|------------|----------|------------|----------|----------|----------|----------|--------|--|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 | |
| 1/2 circle round bodied needle with protection point | | | | | | | | | | |
|  HRB 26 | 8 x 45 Violet | | | | M0024796 | | | | | |
|  HRB 37s | 90 Violet | | | | | | C0024462 | C0024711 | | |
|  HRB 37s "Take off" | 8 x 45 Violet | | | | | M0024864 | M0024865 | | | |
|  HRB 40s "Take off" | 8 x 45 Violet | | | | | | M0024556 | M0024557 | | |
| | 150 Violet | | | | | | C0024563 | C0024564 | | |
|  HRB 48 | 90 Violet | | | | | | C0024881 | C0024877 | | |
|  HRB 48 "Take off" | 8 x 45 Violet | | | | | | M0024875 | M0024876 | | |
|  HRB 65 "Take off" | 90 Violet | | | | | | B0024235 | | | |
| | 150 Violet | | | | | | | B0024153 | | |

C Box of 36 units

B Box of 24 units








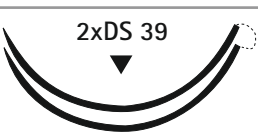



G Box of 12 units

M Box of 6 units








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

MonoPlus®

Needle-thread combination

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

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

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




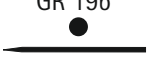
MonoPlus®

Needle-thread combination



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

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

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

MonoPlus®

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

Monomax[®]

Absorbable sutures

Description

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

Properties

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

Indication

- Closure of the abdominal wall




Advantages

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





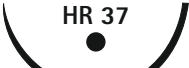
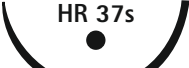

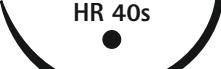

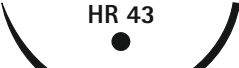
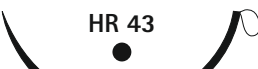
Monomax[®]

Product overview

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

Monomax[®]

Needle-thread combination



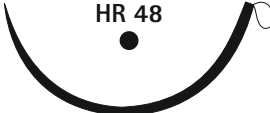


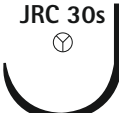




| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|---|-------------------------------|------------|------------|----------|----------|----------------------------------|----------------------|----------------------|--------|--|
| | | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5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

C Box of 36 units

B Box of 24 units





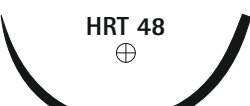
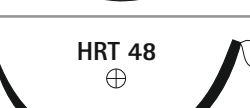
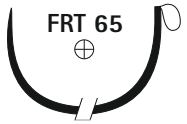

G Box of 12 units

M Box of 6 units

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

Monomax[®]

Needle-thread combination **Easyslide**

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

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

Non-absorbable sutures

Premilene®

PremiCron®

Dafilon®

Trelon®

Supramid

Dagrofil®

Virgin silk / Silkam®

Steelex®

Linatrix®

Non-absorbable sutures

Colour and article coding for easy box content identification



Premilene®

Non-absorbable sutures

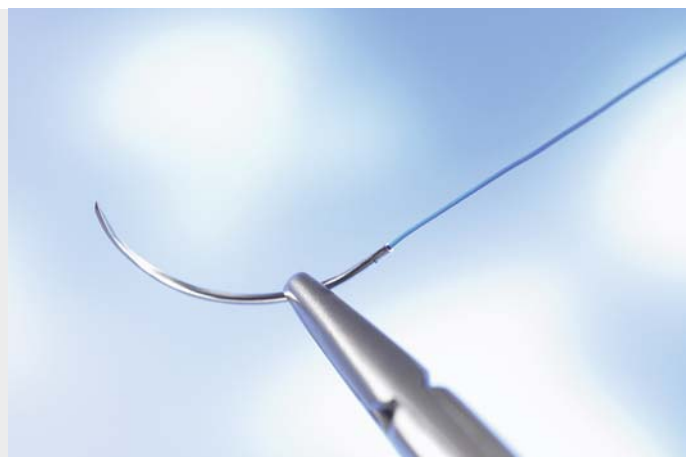
Description

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

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

Indication

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



Advantages

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











Premilene®

Product overview

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

Premilene®

Needle-thread combination














| Needle | | | Thread | USP metric | | | | | | | |
|--|---|------------------|--|------------------|------------|----------------------|----------------------|------------|----------|----------|--|
| length mm | angle | diameter microns | length cm colour | 8/0 0.4 | 7/0 0.5 | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | |
| 3/8 circle round bodied micro vascular needle with taper point | | | | | | | | | | | |
| CV Pass easyBlock | 2xDRmV 6b  | 135° |  75 140µ Blue | G2095086 | | | | | | | |
| | | | Long pack 140µ | 45 | G0095030 | | | | | | |
| | | | | 60 | G0095040 | | | | | | |
| CV Pass easyBlock | 2xDRmV 8b  | 135° | Long pack 140µ | 2 x 45 | G0095031 | | | | | | |
| | | | Long pack 140µ | 60 | G0095050 | | | | | | |
| | | | | 75 | G0095060 | | | | | | |
| CV Pass easyBlock | DRmV 10b  | 135° |  75 200µ Blue | | G2095976 | G2095469 | | | | | |
| | | | 75 200µ Blue | | | G0095469 | | | | | |
| CV Pass easyBlock | 2xDRmV 10b  | 135° |  75 200µ Blue | | G2090989 | G2095139 | | | | | |
| | | | Long pack 200µ | 60 | | G0095071 | | | | | |
| | | | | 75 | | G0090064 | G0095138 | | | | |
| | | | Long pack 200µ | 2 x 60 2 x 75 | | G0095072 G0090988 | G0095108 | | | | |
| CV Pass easyBlock | DRmV 13b  | 135° | Long pack 320µ | 75 90 Blue | | | G0095077 G0095076 | | | | |
| | | | Long pack 380µ | 75 | | | G0095079 | | | | |
| | | | | 90 | | | G0095078 | | | | |

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Premilene®

Needle-thread combination









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

1/2 round bodied micro-needle with taper point

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

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

3/8 round bodied micro-needle with taper point














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

C Box of 36 units

B Box of 24 units






G Box of 12 units

M Box of 6 units

| Needle | | | Thread | USP metric | | | | | | |
|---|----------|---|---------------------|-------------|------------|------------|------------|------------|----------|------------|
| length mm | angle | diameter microns | length cm colour | 10/0 0.2 | 9/0 0.3 | 8/0 0.4 | 7/0 0.5 | 6/0 0.7 | 5/0 1 | 4/0 1.5 |
| 3/8 round bodied micro-needle with taper point | | | | | | | | | | |
|  | 135° |  140μ | 45 | | | | | | | |
| | | | 60 | | | | | | | |
| | | | 75 | | | | | | | |
| | | | Blue | | | | | | | |
| | | | | | | | | | | |
| | 135° | 140μ | 30 | | G0090759 | | | | | |
| | | | 60 | | | | | | | |
| | | | Blue | | | | | | | |
|  | 135° |  200μ | 75 | | | | | G2090784 | G2090785 | |
|  | | | | | Blue | | | | | |
| | | | | | | | | | | |
| | 135° | 200μ | 75 | | | | | G0090784 | G0090785 | |
| | | | Blue | | | | | | | |
|  | 135° |  200μ | 60 | | | | | G2095106 | G2090986 | G2090987 |
|  | | | | | 75 | | | | | G2095107 |
| | | | Blue | | | | | | | |
| | | | | | | | | | | |
| | 135° | 200μ | 75 | | | | | G0090786 | G0090787 | |
| | | | Blue | | | | | | | |
| | | | | | | | | | | |
| | 135° | 200μ | 2 x 75 | | | | | G0090408 | G0095082 | |
| | | | Blue | | | | | | | |
| Progressive curved micro-needle with taper point | | | | | | | | | | |
| | 100°/90° | 100μ | 13 | | | | | | | |
|  | | | | | Blue | | G0090662 | | | |
| | | | | | | | | | | |
| | 100°/90° | 140μ | 60 | | | | | | | |
|  | | | Blue | | | | | G2090689 | | |
| | | | | | | | | | | |
| 3/8 round bodied micro vascular needle with short cutting point | | | | | | | | | | |
|  | 135° |  200μ | 75 | | | | | | | |
|  | | | | | Blue | | | | | G2095685 |

Premilene®

Needle-thread combination













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

C Box of 36 units

B Box of 24 units



















G Box of 12 units

M Box of 6 units

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

Premilene®

Needle-thread combination

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

C Box of 36 units

















B Box of 24 units

G Box of 12 units












M Box of 6 units

Premilene®

Needle-thread combination









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

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

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

Premilene®

Needle-thread combination















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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units



















| Needle | | Thread | USP metric | | | | | | |
|--|---|---|------------|------------|----------|------------|----------|----------|----------|
| | | | 7/0 0.5 | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 |
| length mm | length cm | colour | | | | | | | |
| 1/2 circle round bodied needle | | | | | | | | | |
|   |  | 45 | | | | | | C2090068 | |
| | | 75 | | | C2090039 | C2090040 | C2090041 | C2090042 | C2090043 |
| | | 90 | | | C2090037 | C2090140 | | | |
| | | 120 | | | | | | C2090444 | C2095712 |
| | | Blue | | | | | | | |
| | | 75 | | | C0090039 | C0090040 | C0090041 | C0090042 | C0090043 |
| | | 90 | | | | C0090140 | | | |
| | | Blue | | | | | | | |
| | |  Pledgets 3x3 mm Firm | 20 | | | | | C0090495 | |
| | | Blue | | | | | | | |
|  Pledgets 3x3 mm Soft | 20 | | | | | C0095417 | | | |
| Blue | | | | | | | | | |
|   |  | 75 | | | C2090906 | C2090707 | C2090708 | C2090087 | |
| | | 90 | | | C2090905 | C2090907 | C2090908 | C2090909 | |
| | | 120 | | | | C2095709 | C2090709 | C2095710 | |
| | | 150 | | | | | C2095851 | | |
| | | Blue | | | | | | | |
| | | 75 | | | C0090906 | C0090707 | C0090708 | C0090087 | |
| | | 90 | | | | C0090907 | C0090908 | C0090909 | |
| | | 120 | | | | C0095709 | C0090709 | C0095710 | |
| | | Blue | | | | | | | |
| | |  Pledgets 6x3 mm Firm | 90 | | | | C0090910 | C0090838 | |
| Blue | | | | | | | | | |
|  | 2 x 90 | | | | G0090633 | G0090631 | | | |
| Blue | | | | | | | | | |
|   |  | 75 | | | | C2095721 | | C2095723 | |
| | | 90 | | | | | C2095557 | C2095558 | |
| | | 120 | | | | | | C2095545 | C2095546 |
| | | Blue | | | | | | | |
| | |  | 2 x 90 | | | | G0095993 | G0095994 | |
| Blue | | | | | | | | | |

Premilene®

Needle-thread combination











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

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

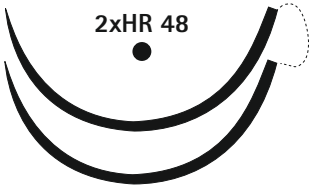



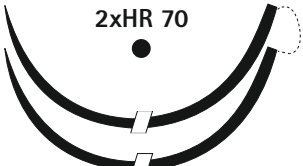

| Needle length mm | Thread length cm colour | USP metric | | | | | | |
|--|--|------------|----------------------|----------------------|----------|----------|--------|--------|
| | | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 | 3 6 |
| 1/2 circle round bodied needle | | | | | | | | |
|  HR 30ss  |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

Premilene®

Needle-thread combination









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

| | | | |
|-------------------|-------------------|-------------------|------------------|
| 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 | | | | | | |
|---|-------------------------------|------------|----------|----------|----------|----------------------|----------|--------|
| | | 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 2xHR 48  | 120 Blue | | G0090931 | G0090932 | | | | |
|  Easyslide HR 65 | 120 150 Blue | | | | | B0090485 | B0095585 | |
|  Easyslide HR 65 Loop | 100 240 Blue | | | | | B0095578 B0095674 | | |
|  Easyslide 2xHR 70 | 75 Blue | | | | | B0090841 | | |
|  Easyslide HR 76 | 150 Blue | | | | | B0095587 | | |

Premilene®

Needle-thread combination





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

C Box of 36 units

B Box of 24 units












G Box of 12 units

M Box of 6 units


















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

Premilene®

Needle-thread combination

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

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

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

Premilene®

Needle-thread combination















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

C Box of 36 units

B Box of 24 units











G Box of 12 units

M Box of 6 units


















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

Premilene®

Needle-thread combination

















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

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

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

Premilene®

Needle-thread combination








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

C Box of 36 units

B Box of 24 units


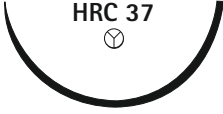

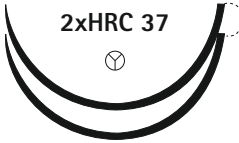

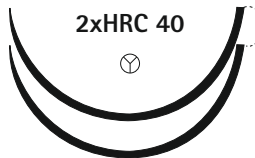






G Box of 12 units

M Box of 6 units










| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|---|--|----------------------------|----------|------------|----------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | |
| 1/2 round bodied needle with short cutting point | | | | | | | | | |
| CV Pass easyblock | 2xHRC 22b  | RP Blue | 75 | | | | | | |
| | | | 90 | | | C2095574 | | | |
| | | | | | C2095592 | C2095593 | | | |
| CV Pass | HRC 26  | RP Blue | 75 | | C2090471 | C2090472 | C2090473 | C2090474 | C2095796 |
| | | | 90 | | | | C2095787 | C2095788 | |
| | | | | | | | | | |
| | | | 75 | | C2090806 | C2090807 | C2090808 | | |
| | | | 90 | | C2090810 | C2090811 | C2090812 | C2095825 | C2095779 |
| | | RP Blue | 120 | | | C2095771 | C2090820 | C2095140 | |
| CV Pass | 2xHRC 26  | RP Blue | 90 | | | C0090811 | C0090812 | C0095825 | |
| | | | 120 | | | C0095771 | C0090820 | C0095140 | |
| | | | | | | | | | |
| | | | 90 | | | | C0095377 | | |
| | | Pledgets 6x3 mm Soft | Blue | | | | | | |
| | | | 2 x 75 | | | G0095759 | | | |
| | | Long pack | 2 x 90 | | | | G0095760 | G0095761 | |
| | | | Blue | | | | | | |
| CV Pass easyblock | 2xHRC 26b  | RP Blue | 75 | | | C2095736 | C2095737 | C2095738 | |
| | | | 90 | | | C2095607 | C2095608 | | |
| | | | 120 | | | C2095597 | C2095598 | | |
| | | | | | | | | | |
| | | | 2 x 75 | | | G0095942 | G0095943 | G0095944 | |
| | | Long pack | 2 x 90 | | | G0095964 | G0095965 | | |
| | | | Blue | | | | | | |
| CV Pass | 2xHRC 27  | RP Blue | 75 | | | | C2095207 | C2095208 | |
| | | | 90 | | | | C2095227 | C2095228 | |
| | | | | | | | | | |
| CV Pass easyblock | 2xHRC 27b  | RP Blue | 75 | | | | | C2095642 | |
| | | | 90 | | | | | C2095670 | |
| | | | | | | | | | |
| CV Pass | 2xHRC 30  | RP Blue | 90 | | | | C0090584 | C0090585 | |
| | | | | | | | | | |

Premilene®

Needle-thread combination









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

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

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

Premilene®

Needle-thread combination





















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

C Box of 36 units

B Box of 24 units













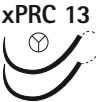




G Box of 12 units

M Box of 6 units

| Needle 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 round bodied needle with short cutting point | | | | | | | | |
|  2xDRC 15  |  75 90 Blue | | C2095756 C2090728 | | | | | |
|  DRC 18  |  75 Blue | | C2095164 | C2095165 | C2095166 | | | |
|  2xDRC 18  |  75 90 Blue | | C2090525 | C2095195 C2090526 | C2090527 | | | |
| |  2 x 90 Blue | | | | G0095222 | | | |
|  2xDRC 18b  |  75 90 Blue | | C2095247 C2095438 | C2095248 C2095439 | | | | |
| |  2 x 75 2 x 90 Blue | | G0095252 G0095261 | G0095253 G0095262 | | | | |
|  2xDRC 22  |  90 120 Blue | | | C2090535 C2095662 | C2090536 | | | |
|  DRC 26  |  75 Blue | | | C2095644 | C2095645 | | | |

Premilene®

Needle-thread combination




















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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units



















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

Premilene®

Needle-thread combination













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

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

| Needle | | Thread | USP metric | | | | | |
|---|--|--|------------|------------|------------|----------|------------|----------|
| | | | 8/0 0.4 | 7/0 0.5 | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 |
| length mm | colour | 3/8 round bodied needle with trocar point | | | | | | |
|  | 2xDRT 10  |  75 Blue | | C2090005 | | | | |
| | | 75 Blue | | C0090005 | C0090006 | | | |
|  | DRT 12  |  75 Blue | | | C2090306 | C2090307 | | |
| | | 75 Blue | | | C0090306 | C0090307 | | |
|  | 2xDRT 12  |  75 Blue | | | C2090763 | C2090764 | | |
| | | 75 Blue | | | C0090763 | C0090764 | | |
|  | DRT 15  |  75 Blue | | | C2090308 | | | |
| | | 75 Blue | | | C0090308 | C0090309 | | |
|  | 2xDRT 15  |  75 Blue | | | | C2090766 | | |
| | | 75 Blue | | | | C0090766 | | |
|  | DRT 18  |  75 Blue | | | | C2090319 | C2090320 | C2090321 |
| | | 75 Blue | | | | C0090319 | C0090320 | C0090321 |

Premilene®

Needle-thread combination

















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

C Box of 36 units

B Box of 24 units






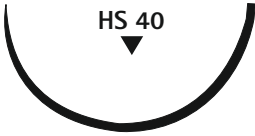









G Box of 12 units

M Box of 6 units



















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

Premilene®

Needle-thread combination

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

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



















| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|--|---|------------------------------|----------|----------------------------------|----------------------------------|----------------------------------|----------------------|----------------------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | |
| 3/8 reverse cutting needle | | | | | | | | | |
|  2xDS 12  |  | 60 Blue | C2090829 | | | | | | |
| | | 45 75 Blue | C2090211 | C2090212 C2090512 | C2090213 C2090513 | C2090214 C2090514 | | | |
|  DS 16  |  | 45 75 Blue | C0090211 | C0090212 C0090512 | C0090213 C0090513 | C0090214 C0090514 | | | |
| | | 30 Blue | | | | G2090215 | | | |
|  DS 16  Loop |  | 30 Blue | | | | G2090215 | | | |
| | | 30 Blue | | | | G0090215 | | | |
|  DS 19  |  | 30 45 60 75 Blue | C2095400 | C2090219 C2090101 C2090519 | C2090420 C2090220 C2090520 | C2090421 C2090221 | C2090222 C2095522 | | |
| | | 30 45 60 75 Blue | | C0090219 C0090101 C0090519 | C0090420 C0090220 | C0090421 C0090221 C0090521 | C0090222 C0095522 | | |
| | | 30 Blue | | | G2090217 | | | | |
| | | 30 Blue | | | G0090217 | | | | |
|  DS 19  Loop |  | 30 Blue | | | G2090217 | | | | |
| | | 30 Blue | | | G0090217 | | | | |
| | | 45 60 75 90 Blue | | C2090233 | C2090234 | C2090235 | C2090236 | C2090237 C2090072 | C2090238 |
| | | 45 75 Blue | | C0090233 | C0090234 | C0090235 | C0090236 | C0090237 | C0090238 |
|  DS 24  |  | 45 75 Blue | | C0090434 C0090233 | C0090435 C0090234 | C0090436 C0090235 | C0090236 | C0090237 C0090238 | |
| | | 45 75 Blue | | C0090233 | C0090234 | C0090235 | C0090236 | C0090237 | C0090238 |

Premilene®

Needle-thread combination









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

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

Premilene®

Needle-thread combination

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

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

PremiCron®

Non-absorbable sutures

Description

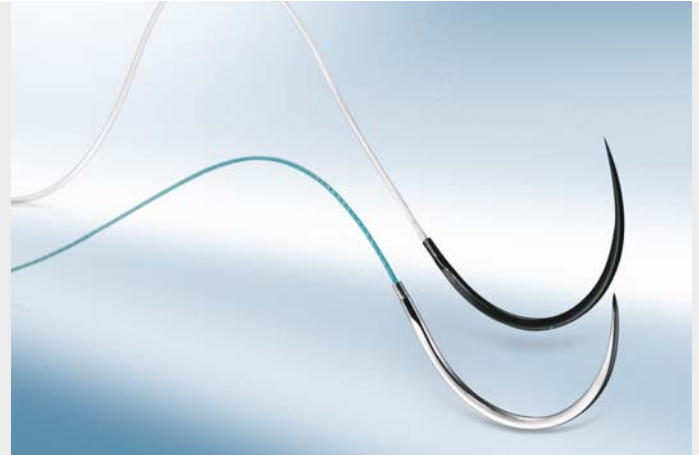
PremiCron® is a non-absorbable braided and coated synthetic multifilament composed of polyester fibres.

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

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

Indications

- General surgery
- Cardiovascular surgery
- Vascular surgery



Advantages

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

Easyslide

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



















PremiCron®

Product overview

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

PremiCron®

Needle-thread combination

















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

C Box of 36 units

B Box of 24 units














G Box of 12 units

M Box of 6 units

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

PremiCron®

Needle-thread combination










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

C Box of 36 units

B Box of 24 units



















G Box of 12 units

M Box of 6 units

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

PremiCron®

Needle-thread combination













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

C Box of 36 units

B Box of 24 units









G Box of 12 units

M Box of 6 units

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

PremiCron®

Needle-thread combination




















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

C Box of 36 units

B Box of 24 units

G Box of 12 units
















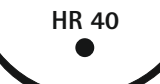


M Box of 6 units

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

G/W = Green / White

PremiCron®

Needle-thread combination











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

C Box of 36 units

B Box of 24 units








G Box of 12 units

M Box of 6 units

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

PremiCron®

Needle-thread combination









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

C Box of 36 units

B Box of 24 units

G Box of 12 units











M Box of 6 units

| Needle | | Thread length cm colour | USP metric | | | | | | |
|---------------------------------------|---|-------------------------------|------------|------------|----------|----------|----------|----------|----------|
| length mm | 6/0 0.7 | | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | |
| 3/8 circle round bodied needle | | | | | | | | | |
| CV Pass |  2xDR 18 | 75 | | C0026863 | C0026864 | C0026865 | | | |
| | | 90 Green | | | | C0026858 | C0026883 | | |
| |  | 8 x 90 G/W | | | | | M0027769 | | |
| CV Pass |  DR 22 | 30 Green | | | | | C0026127 | | |
| | | 75 Green | | | | C0026226 | C0026227 | | |
| CV Pass |  2xDR 22 | 75 Green | | | | | C0026143 | | |
| CV Pass |  DR 26 | 75 | | | | C0026136 | C0026137 | | |
| | | 100 Green | | | | | C0026139 | | |
| CV Pass |  2xDR 26 | 90 Green | | | | | C0026873 | | |
| Needle | | Thread length cm colour | USP metric | | | | | | |
| length mm | | | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 3/8 circle round bodied needle | | | | | | | | | |
| Easyslide |  DR 32 | 75 Green | | | | C0026141 | C0026142 | C0026238 | C0026239 |
| Easyslide |  2xDR 48 | 75 Green | | | | C0026328 | C0026071 | | |

G/W = Green / White

PremiCron®

Needle-thread combination











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

C Box of 36 units

B Box of 24 units


















G Box of 12 units

M Box of 6 units

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

PremiCron®

Needle-thread combination


























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

C Box of 36 units

B Box of 24 units

G Box of 12 units










M Box of 6 units

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

G/W = Green / White

PremiCron®

Needle-thread combination

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




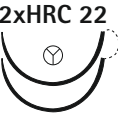




C Box of 36 units

B Box of 24 units

G Box of 12 units


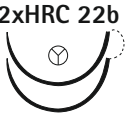









M Box of 6 units

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

G/W = Green / White

PremiCron®

Needle-thread combination










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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units









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

CV Pass



PremiCron®

Needle-thread combination













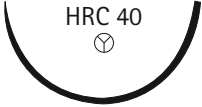







| Needle | | Thread | USP metric | | | | | | | |
|---|---|---|--|----------|-----|-----|----------|----------|---|--|
| | | | 5/0 | 4/0 | 3/0 | 2/0 | 0 | 1 | 2 | |
| length mm | | length cm colour | 1 | 1.5 | 2 | 3 | 3.5 | 4 | 5 | |
| 1/2 circle round bodied needle with short cutting point | | | | | | | | | | |
| CV Pass |  | Multi pack  Pledgets 6x3 mm Firm | 4 x 75 | | | | M0027543 | | | |
| | | | 4 x 90 | | | | M0027687 | | | |
| | | | 8 x 90 | | | | M0027660 | M0027661 | | |
| | | Multi pack  Pledgets 6x3 mm Soft | 8 x 75 | | | | M0027845 | | | |
| | | | 8 x 90 | | | | M0027531 | | | |
| | | | G/W | | | | | | | |
| CV Pass easylock |  | 75 Green | | | | | C0026634 | | | |
| | | |  Pledgets 6x3 mm Firm | 75 Green | | | | C0026643 | | |
| | | Multi pack  Pledgets 6x3 mm Soft | 75 Green | | | | | C0026650 | | |
| | | | 8 x 75 G/W | | | | | M0027465 | | |
| | | Multi pack  Pledgets 6x3 mm Firm | 4 x 75 | | | | | M0027424 | | |
| | | | 8 x 75 G/W | | | | | M0027451 | | |
| | | Multi pack  Pledgets 6x3 mm Soft | 4 x 75 | | | | | M0027443 | | |
| | | | 8 x 75 G/W | | | | | M0027471 | | |

C Box of 36 units











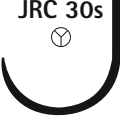




B Box of 24 units

G Box of 12 units

M Box of 6 units









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

G/W = Green / White

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

PremiCron®

Needle-thread combination

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

EasySlide



















C Box of 36 units

B Box of 24 units

G Box of 12 units








M Box of 6 units

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

G/W = Green / White

PremiCron®

Needle-thread combination

| Needle | Thread | USP metric | | | | | | |
|---|---------------------|------------|----------|----------|----------|----------|--------|----------|
| | | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 | 3 6 | 5 7 |
| length mm | length cm colour | | | | | | | |
| 1/2 circle round bodied needle with trocar point | | | | | | | | |
| Easyslide HRT 30s  | 75 | | | C0026689 | | | | |
| | 90 Green | | | | C0026920 | | | |
| Easyslide HRT 37  | 75 Green | | | C0026392 | C0026393 | C0026394 | | |
| | 4 x 75 Green | | | | | B0026717 | | |
| Easyslide HRT 40  | 75 Green | | | C0026401 | | | | |
| | 4 x 75 Green | | | | | B0026044 | | G0026076 |
| Easyslide HRT 40s  | 75 Green | | | | | C0026395 | | |
| Easyslide HRT 43  | 4 x 75 Green | | | | | B0026718 | | |
| Easyslide HRT 43s  | 75 Green | | | | | C0026781 | | |
| Easyslide HRT 48  | 75 Green | | | | | C0026097 | | G0026148 |
| | 4 x 75 Green | | | | | | | G0026081 |

C Box of 36 units



B Box of 24 units

G Box of 12 units

M Box of 6 units












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

1/2 circle round bodied needle with trocar point

| | | | | | | | | |
|---|-----------------|--|--|--|--|--|--|----------|
|   | 75 Green | | | | | | | G0026146 |
| | 4 x 75 Green | | | | | | | G0026723 |
















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

3/8 circle round bodied with trocar point

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

PremiCron®

Needle-thread combination





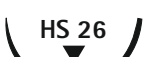

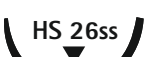

| Needle length mm | Thread length cm colour | USP metric | | | | | | |
|---|-------------------------------|------------|----------|------------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 |
| 3/8 circle round bodied needle with trocar point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

C Box of 36 units

B Box of 24 units














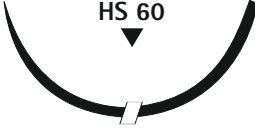

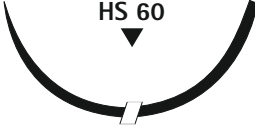
G Box of 12 units

M Box of 6 units

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

PremiCron®

Needle-thread combination

















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

C Box of 36 units

B Box of 24 units

G Box of 12 units








M Box of 6 units

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

G/W = Green / White

PremiCron®

Needle-thread combination











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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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

PremiCron®

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

C Box of 36 units

B Box of 24 units




G Box of 12 units





M Box of 6 units

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

PremiCron®

Pledgets

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

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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Dafilon®

Non-absorbable sutures

Description

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

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

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

Indications

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



Advantages

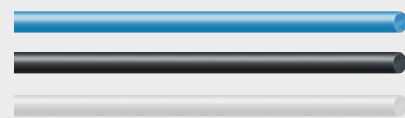
- Flexible, easy to handle and tie
- Smooth passage through tissue
- Excellent histocompatibility

Dafilon®

Product overview

Structure

Monofilament



Colour

Blue, black or undyed

Chemical composition

Polyamide

Coating

Uncoated

Origin

Synthetic

Sizes

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

Type of absorption

Non-absorbable

Sterilisation

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

Needle-thread combination











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

C Box of 36 units









B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination

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

C Box of 36 units

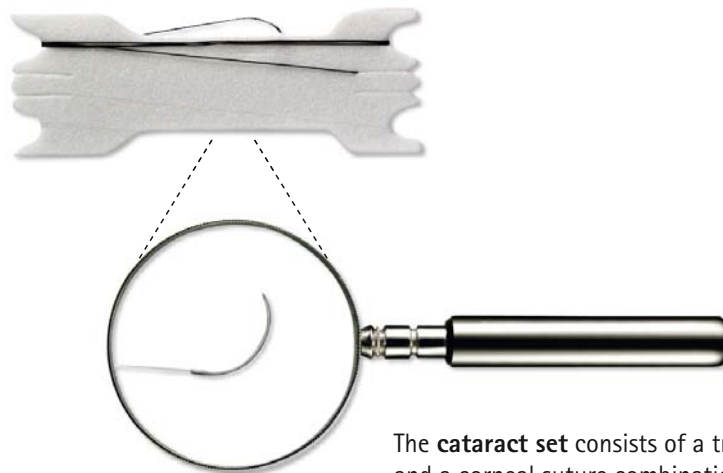
B Box of 24 units

G Box of 12 units

M Box of 6 units











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

480µ



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

Needle-thread combination







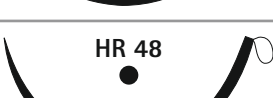
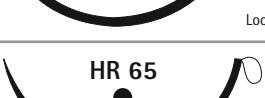

| Needle | | Thread | USP metric | | | | | | | | |
|---|---|-------------------|---------------------|-------------|-------------|------------|----------------------|------------|----------------------|----------|------------|
| angle | length mm diameter microns | | length cm colour | 11/0 0.1 | 10/0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

C Box of 36 units






B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination













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

C Box of 36 units











B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination




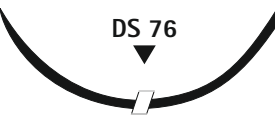
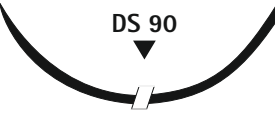
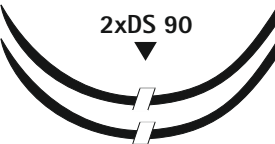
| Needle length mm | Thread length cm colour | USP metric | | | | | | | | |
|---|-------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------|----------------------------------|------------------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

C Box of 36 units





B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination








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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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





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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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

The ideal solution for:



- experimental surgery
- training purposes

Lab Pack

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

Trelon®

Non-absorbable sutures

Description

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

Indications

- General surgery
- Neurosurgery
- Gastrointestinal surgery

Advantages

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









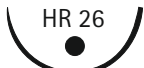
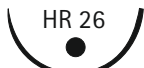
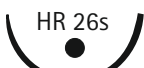


Trelon®

Trelon®

Product overview

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

Needle-thread combination







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

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 | | | | | | | |
|---|------------------------|------------|----------|------------|----------|----------|----------|----------|--------|
| | | 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 | 75 Black | | | | | | C0790296 | C0790295 | |
| 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 | |
| 3/8 circle reverse cutting needle | | | | | | | | | |
|  DS 19 | 45 Black | | | C0790006 | | | | | |
|  DS 30 | 45 Black | | | | | | C0790046 | | |
| 3/8 circle reverse cutting needle with precision point | | | | | | | | | |
|  DSMP 11 | 45 Black | C0790065 | | | | | | | |

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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Supramid

Non-absorbable sutures

Description

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

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

Indication

- Skin closure

Advantages

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



Supramid








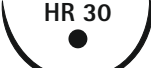
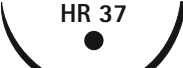

Product overview

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



Supramid

Needle-thread combination






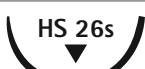



| Needle | | Thread | USP metric | | | | | | | | | |
|---|---|--------|------------------|-----------|------------|----------|------------|----------|----------|----------|--------|----------|
| angle | length mm | | diameter microns | length cm | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1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

C Box of 36 units

B Box of 24 units








G Box of 12 units

M Box of 6 units

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

Supramid

Needle-thread combination












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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|---|-------------------------------|------------|----------|------------|----------|----------|----------|----------------------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 3/8 circle reverse cutting needle | | | | | | | | | |
|  DS 35 | 75 Black | | | | | C0712612 | C0712507 | | |
| | 75 White | | | | | | C0692620 | | |
|  DS 39 | 75 Black | | | | C0712540 | C0712558 | C0712566 | C0712574 | |
|  DS 48 | 75 Black | | | | | | | | C0712604 |
|  DS 60 | 90 100 Black | | | | | | | B0715817 B0715827 | |
| Straight cutting needle | | | | | | | | | |
|  GS 51 | 75 Black | | | | C0712850 | | | | |
| | 75 White | | | | C0692456 | C0692964 | C0692972 | | |
| 1/2 circle reverse cutting needle with precision point | | | | | | | | | |
|   HSMP 15 | 45 Black | | C0716189 | | | | | | |
|   HSMP 18 | 45 Black | | | C0716219 | | | | | |
| 3/8 circle reverse cutting needle with precision point | | | | | | | | | |
|   DSMP 11 | 45 Black | C0716073 | C0716081 | | | | | | |

Supramid

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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Dagrofil®

Non-absorbable sutures

Description

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

Available in green or white.

Indication

- General surgery
- Orthopaedics
- Ligatures

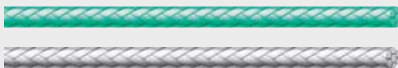
Advantages

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















Dagrofil®

Product overview

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

Dagrofil®

Needle-thread combination












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

C Box of 36 units










B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination





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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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

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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Virgin silk / Silkam®

Non-absorbable sutures

Description

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

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

Indications

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

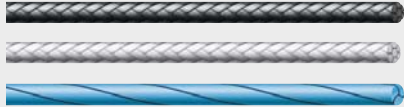


Advantages

- Excellent handling properties
- Good knot security






Virgin silk / Silkam®

Product overview

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

Virgin silk

Needle-thread combination

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







C Box of 36 units

B Box of 24 units










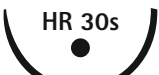
G Box of 12 units

M Box of 6 units

Needle-thread combination

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

Needle-thread combination












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

C Box of 36 units






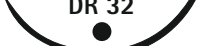




B Box of 24 units

G Box of 12 units

M Box of 6 units

| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|--|-------------------------------|------------|------------|----------------------|----------------------|------------|----------------------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 | 2 5 |
| 1/2 circle round bodied needle | | | | | | | | | |
|  HR 37 | 75 Black | | | | C0760501 | C0760510 | C0760528 | C0760536 | C0760544 |
|  HR 37s | 75 Black | | | | | C0760900 | C0760960 | C0760978 | C0760986 |
|  HR 37s "Take off" | 4 x 45 Black | | | | | | B0766485 | | |
|  HR 40 | 75 Black | | | | | C0770477 | | C0770493 | |
|  HR 40s | 75 Black | | | | | | | | C0760560 |
|  HR 48 | 75 Black | | | | | | | C0760625 | C0760633 |
| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
| | | 8/0 0.4 | 7/0 0.5 | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 |
| 3/8 circle round bodied needle | | | | | | | | | |
|  DR 8 | 45 Black | | | C0766542 | | | | | |
|  2xDR 8 | 45 Black | C0768529 | | | | | | | |
|  DR 10 | 45 75 Black | | | C0761010 | C0761028 C0761137 | | | | |
|  2xDR 10 | 45 75 Black | | | C0769126 C0767220 | | | | | |
|  DR 12 | 45 75 Black | | | C0761060 | C0761079 C0765309 | C0765317 | C0769240 C0765325 | | |

Needle-thread combination








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

C Box of 36 units











B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination









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

C Box of 36 units











B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination



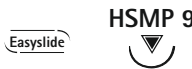
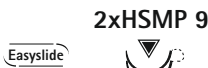

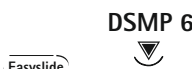

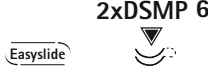
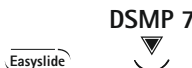
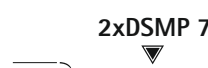
| Needle length mm | Thread length cm colour | USP metric | | | | | | | |
|---|-------------------------------|------------|----------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0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

C Box of 36 units



















B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Needle-thread combination

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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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

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

Steelex®

Non-absorbable sutures

Description

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

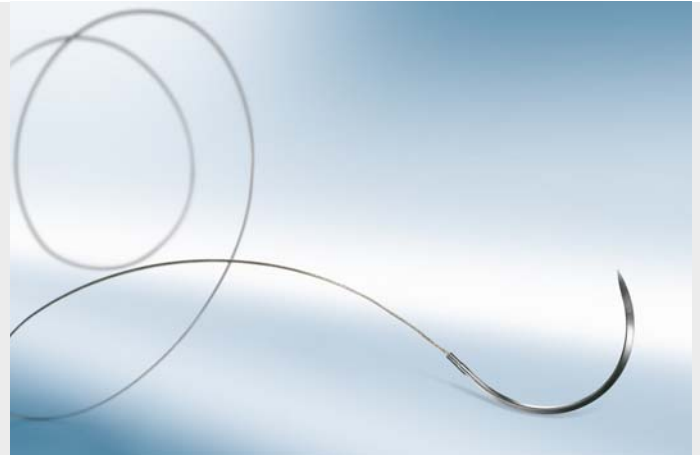
Steelex® is the basis for products like the Sternum-Set, Electrode-Set, Ventrofil®, Patella-Set, Tendofil® and Ear-Set.

Indication

- Orthopaedics

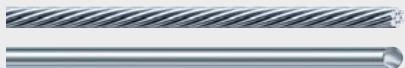
Advantages

- Exceptional tensile strength
- Excellent tissue compatibility











Steelex®

Product overview

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

Needle-thread combination

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

C Box of 36 units

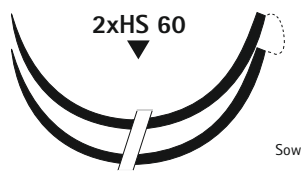
B Box of 24 units

G Box of 12 units

M Box of 6 units

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

1/2 circle reverse cutting needle



| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|----------|
| 75 | | | | | | | | | | G0599530 |
| Monofilament | | | | | | | | | | |

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

3/8 circle reverse cutting needle



| | | | | | | | | | | |
|--------------|----------|--|----------|----------|--|--|--|--|--|--|
| 45 | G0612197 | | | | | | | | | |
| Twisted | | | | | | | | | | |
| 75 | | | G0595209 | G0595217 | | | | | | |
| Monofilament | | | | | | | | | | |



| | | | | | | | | | | |
|--------------|--|--|----------|----------|--|--|--|--|--|--|
| 45 | | | G0612340 | G0612359 | | | | | | |
| Twisted | | | | | | | | | | |
| 75 | | | | G0594350 | | | | | | |
| Monofilament | | | | | | | | | | |



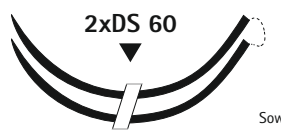
| | | | | | | | | | | |
|--------------|--|--|--|--|----------|--|--|--|--|--|
| 45 | | | | | G0612472 | | | | | |
| Twisted | | | | | | | | | | |
| 75 | | | | | G0592471 | | | | | |
| Monofilament | | | | | | | | | | |



| | | | | | | | | | | |
|--------------|--|--|--|--|----------|--|--|--|--|--|
| 45 | | | | | G0592793 | | | | | |
| Monofilament | | | | | | | | | | |



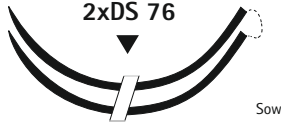
| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|----------|--|
| 60 | | | | | | | | | G0595230 | |
| Monofilament | | | | | | | | | | |



| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|----------|----------|
| 75 | | | | | | | | | G0599409 | G0599417 |
| Monofilament | | | | | | | | | | |

Steelex®

Needle-thread combination

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

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

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

Linatrix®

Non-absorbable sutures

Description

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

Indication

- Ligatures in gastrointestinal surgery


Advantages

- Exceptional handling properties
- Excellent knot security













Linatrix®

Product overview

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

Needle-thread combination

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

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

Mechanical sutures

Manipler® AZ

Skin staple remover

Manipler® AZ

Reliable consistent performance

Description

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

Indication

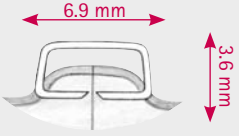
Manipler® AZ skin stapler can be used for routine skin closure in a wide variety of surgical procedures, e. g.:

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



Advantages

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

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

Skin staple remover

Fast and easy

Description

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

Indication

Removal of surgical skin staples

Advantages

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



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

Sets

Episio-Set

Safil® Parenchyma-Set

Securex®

Dermaset

Tendo-Loop

Cervix-Set

Ear-Set

Patella-Set

Tendofil®

Ventrofil®

Surgical Loop

Sternum-Set

Steelex® Electrode-Set

Pro-Set

Sets

Colour and article coding for easy box content identification



Sets

Colour and article coding for easy box content identification



Episio-Set

For episiotomies

Description

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

Properties

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

Indication

- Episio-Set is indicated for episiotomy closure




Advantages

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









Episio-Set

Product overview

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

Episio-Set

For episiotomies













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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

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

Safil® Parenchyma-Set

For parenchymal organs

Description

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

Indication

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

Advantages

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





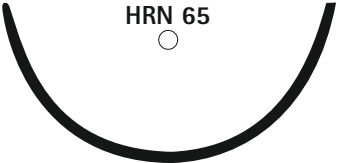
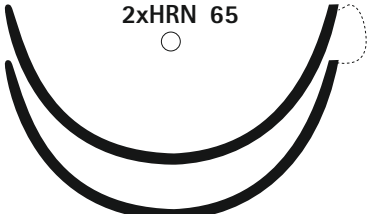
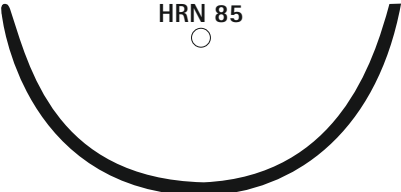
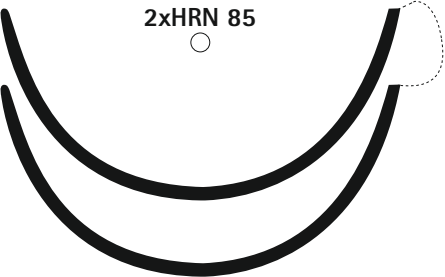
Safil® Parenchyma- Set

Product overview

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

Safil® Parenchyma-Set

For parenchymal organs

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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Securex[®]

For intracutaneous suturing

Description

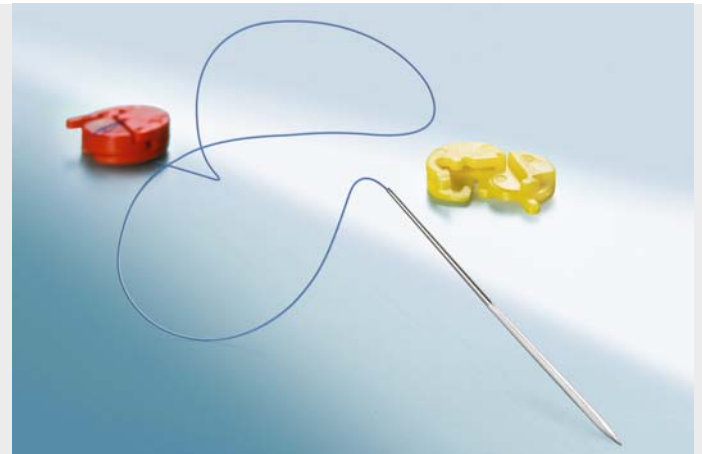
The intracutaneous suture is usually continuous and is performed with either a curved cutting needle or a straight cutting needle. As this method involves removal of the suture, a monofilament, non-capillary material with a very smooth surface is required.

The set consists of

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

Indication

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



Advantages

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





















Securex[®]

Product overview

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

Securex®

For intracutaneous suturing

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

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

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

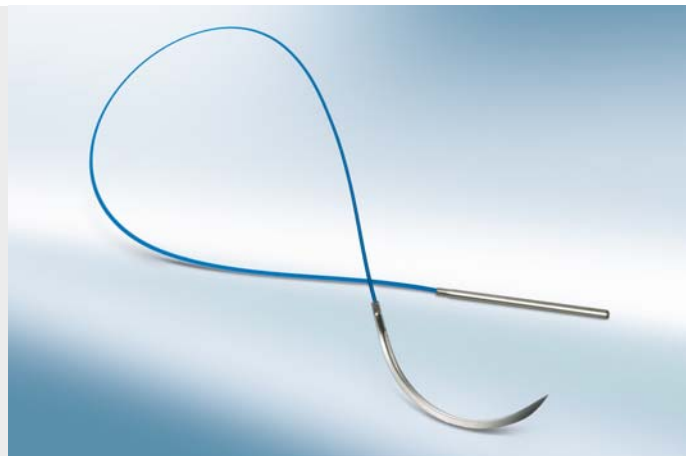
- 8 Premilene® (polypropylene) threads each of them armed with a curved DS atraumatic needle on one end and a straight blunt-ended GRN12 needle on the other end
- A polyurethane tube and a polyethylene clamp

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

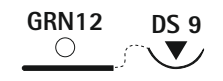

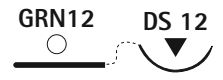

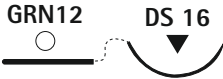

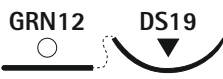

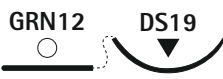

Non-absorbable

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 |
|-------------------|-------------------|-------------------|------------------|

Tendo-Loop

For the repair of ruptured tendons according to Tsuge technique

Description

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

Indications

- Acute tendosutures
- Hand flexor tendons
- Hand extensor tendons


Advantages

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




Tendo-Loop

Product overview

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

Tendo-Loop

For the repair of ruptured tendons according to Tsüge technique

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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Cervix-Set

For the treatment of cervical incompetence

Description

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

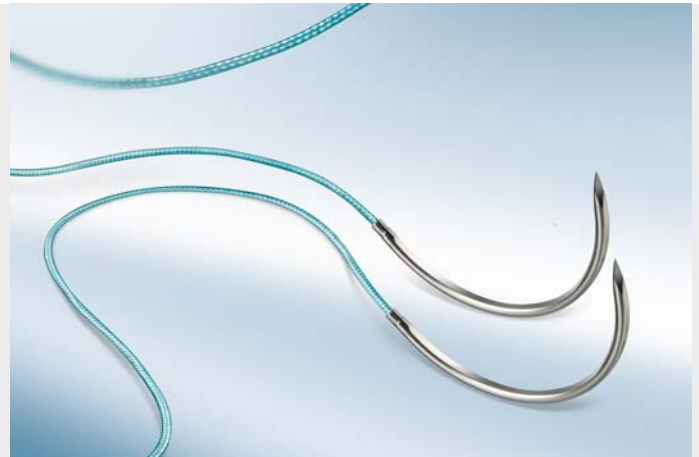
Cervix-Set for the ligation of the cervix according to the Shirodkar technique consists of a polyester tape or thread equipped at each end with blunt round-bodied needles.

Cervix-Set for the ligation 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:

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



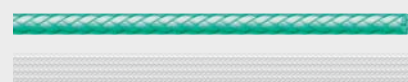
Advantages

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

Cervix-Set

Product overview

Structure Braided thread or tape



Colour Green or white

Chemical composition Polyester

Coating Uncoated

Origin Synthetic

Sizes USP 6 (8 metric), 0.5 cm

Type of absorption Non-absorbable

Sterilisation Gamma-irradiation

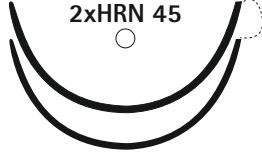
Cervix-Set

For the treatment of cervical incompetence

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

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

For encircling (Shirodkar technique):

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

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

Ear-Set

For ear reconstruction

Description

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

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

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

Indication

- Ear Set is indicated for ear reconstruction


Advantages

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





Ear-Set

Product overview

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

Ear-Set

For ear reconstruction

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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Patella-Set

For fractures of the patella

Description

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

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

Indications

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


Advantages

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



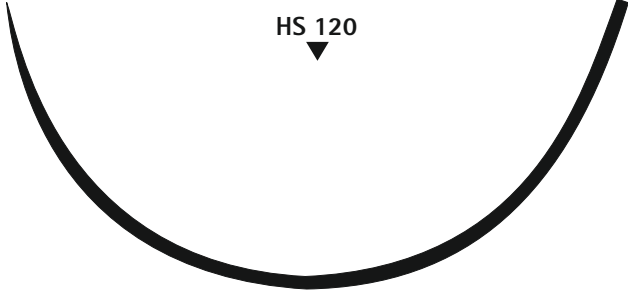
Patella-Set

Product overview

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

Patella-Set

For fractures of the patella

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

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

Tendofil®

For the repair of ruptured tendons according to the Lengemann technique

Description

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

Indication

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

Advantages

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



Tendofil®

Tendofil®

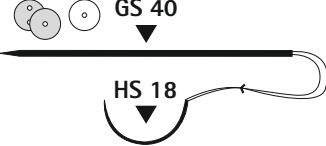
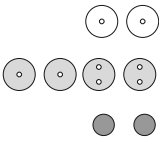
Product overview

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



Tendofil®

For the repair of ruptured tendons according to the Lengemann technique

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

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

Ventrofil®

For tension relief

Description

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

Indications

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

Advantages

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



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

Ventrofil®

Ventrofil®

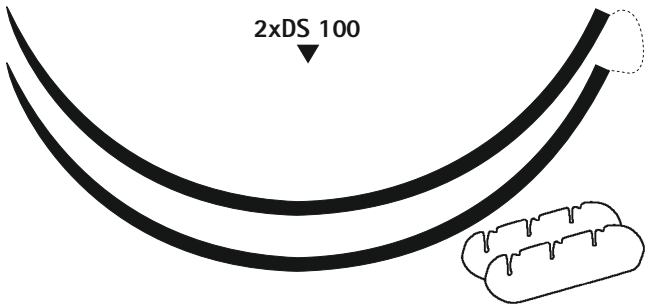
Product overview

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



Ventrofil®

For tension relief

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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Surgical Loop

For organ retraction and more

Description

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

Indications

Surgical Loop is used to:

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

Advantages

Security

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



Convenience

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

Surgical Loop






Product overview

| | |
|----------------------|--|
| Structure | Tube, braided tape |
| Colour | White, blue, green, yellow, red, violet |
| Chemical composition | Silicone, cotton, polyester |
| Coating | Uncoated |
| Origin | Synthetic, natural |
| Sizes | 1.2 - 2.5 mm (silicone) 4 - 8 mm (cotton) 3.2 - 4 mm (polyester) |
| Type of absorption | Non-absorbable |
| Sterilisation | Ethylene oxide |






Surgical Loop

For organ retraction and more

Radiopaque silicone tube

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

Cotton braided tape

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

Polyester braided tape

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

Sternum-Set

For sternum closure

Description

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

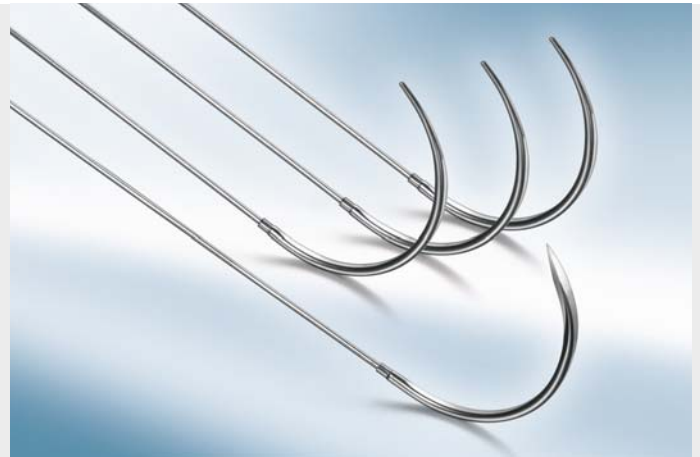
Sternum-Set is also available in polyester sutures (PremiCron®) to improve handling and knotting properties.

Indication

- Sternal closure

Advantages

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



Sternum-Set

Product overview

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



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

Chemical composition Stainless steel or polyester

Coating Uncoated or silicone

Origin Metal or synthetic






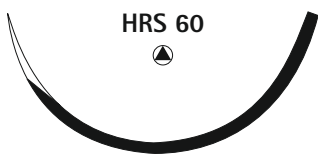


Sizes USP 1 (4 metric) - USP 7 (9 metric) or USP 2 and 5 (PremiCron®)

Type of absorption Non-absorbable

Sterilisation Ethylene oxide or gamma-irradiation

Sternum-Set

For sternum closure
Steelex® Product Range


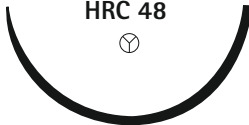





| Needle length mm | Thread length cm | USP metric | | | | | | |
|--|----------------------------------|------------|----------------------|--------|----------|----------------------|----------------------|----------------------|
| | | 1 4 | 2 5 | 3 6 | 4 6 | 5 7 | 6 8 | 7 9 |
| 1/2 circle round bodied needle with sternum point | | | | | | | | |
|  <p>HRS 40</p> | 4 x 45 | G0617835 | G0617838 | | | | | |
| | 4 x 45 axial 5x45 | G0617851 | G0617848 G0617839 | | G0617854 | | | |
|  <p>HRS 48</p> | 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 |
|  <p>HRS 48</p> | 45 | | | | | G0617555 | G0617556 | |
| | 45 axial | | | | | G0617545 | G0617546 | |
|  <p>HRS 48</p> | 75 | | | | | G0617579 | G0617580 | |
| | 75 axial | | | | | G0617563 | G0617564 | |
|  <p>HRS 55</p> | 75 | | | | | G0617020 | | |
|  <p>HRS 60</p> | 4 x 45 | | | | | G0617742 | | |
| | 4 x 45 axial | | | | | G0617741 | | |
| | 6 x 45 2 x 75 2 x 75 axial | | | | | G0617776 G0617750 | G0617737 | G0617736 |
|  <p>HRS 60</p> | 45 | | | | | G0617864 | | |
| | 45 axial | | | | | G0617865 | | |
|  <p>HRS 60</p> | 75 | | | | | G0610008 | | |
| | 75 axial | | | | | G0617040 | | |

C Box of 36 units

B Box of 24 units

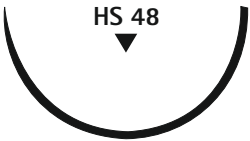





G Box of 12 units

M Box of 6 units




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

Sternum-Set

For sternum closure

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

PremiCron® Product Range

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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Steelex[®] Electrode-Set

For the control and treatment of arrhythmias

Description

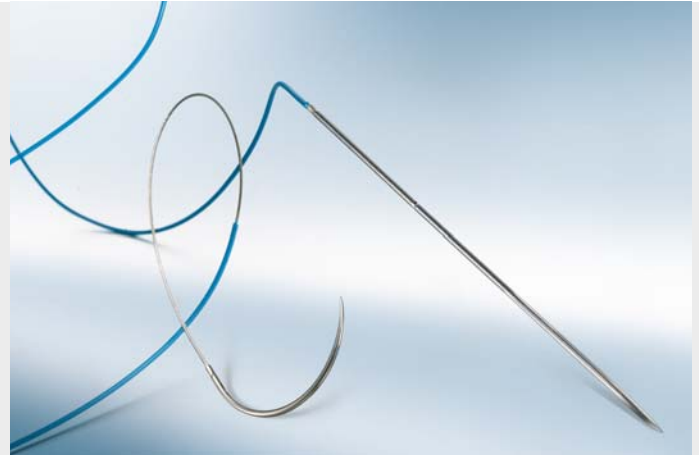
The Electrode-Set is a temporary cardiac pacing wire used to treat arrhythmias during and after open heart surgery. It consists of a twisted stainless steel, multistrand wire partially insulated with a sheath of blue or white polyethylene.

Indication

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

Advantages

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



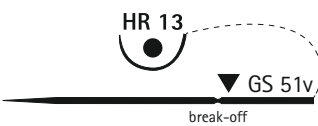
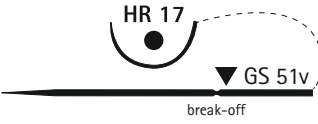
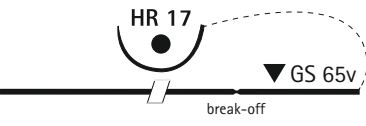
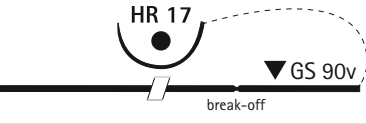


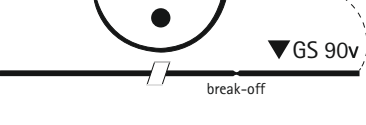


Steelex[®] Electrode-Set

Product overview

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

Steelex[®] Electrode-Set

For the control and treatment of arrhythmias

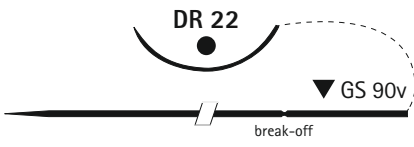
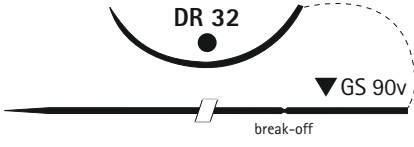
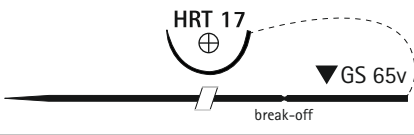
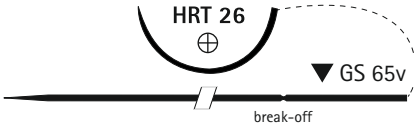
| Needle length mm | Thread length cm (colour) | USP metric | | | | | | |
|---|---------------------------------|------------|----------|------------|----------|----------|----------|--------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 |
| 1/2 circle round bodied needle | | | | | |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

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

| Needle length mm | Thread length cm (colour) | USP metric | | | | | | |
|---|---------------------------------|------------|----------|------------|----------|----------|----------|----------|
| | | 6/0 0.7 | 5/0 1 | 4/0 1.5 | 3/0 2 | 2/0 3 | 0 3.5 | 1 4 |
| 3/8 circle round bodied needle | | | | | | | | |
|  | 60 Blue | | | | | C0992110 | | |
| | 2 x 60 B&W | | | | | | C0992713 | |
|  | 60 Blue | | | | | C0992105 | | |
| | 2 x 60 B&W | | | | | | | B0992710 |
| 1/2 circle round bodied needle with trocar point | | | | | | | | |
|  | 60 Blue | | | | | C0992062 | | |
| | 60 Blue | | | | | | C0992070 | |
|  | 60 Blue | | | | | | | |
| | 60 Blue | | | | | | | |

Pro-Set

Suture sets customized to your particular needs

Individually tailored to your needs during surgery

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

Cost reduction

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



Ecological benefits

- Reduces packaging
- Minimizes disposal time and costs

Pro-Set

Product overview: sterile units available in three kinds of packaging

Mini-Pack

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



Two types of containers

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



Meshes

Non-absorbable meshes

Absorbable meshes

Non-absorbable meshes hernia

Premilene® Mesh

Premilene® Mesh Plug

Optilene® Mesh

Optilene® Mesh LP

Optilene® Mesh Elastic

Omyra® Mesh

Non-absorbable meshes hernia

Colour and article coding for easy box content identification



Premilene® Mesh

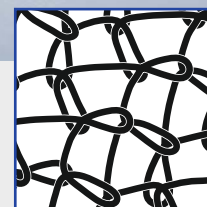
Traditional polypropylene mesh for hernia repair

Description

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

Indications

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



Advantages

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




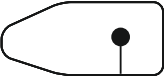
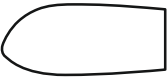



Premilene® Mesh

Product features

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

Premilene® Mesh

Traditional polypropylene mesh for hernia repair

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

* Prevention of incisional hernia in primary closure.

Premilene® Mesh Plug

Self-expandable polypropylene mesh plug for inguinal hernia repair

Description

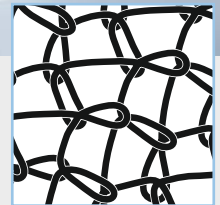
Premilene® Mesh Plug is a monofilament polypropylene mesh plug designed for the repair of recurrent hernias and can also be used for primary inguinal hernias. The smooth self-expanding plug fills the defect perfectly. The plug adapts optimally to the shape of the defect and the natural anatomy. Premilene®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

Indication

- Open groin hernia repair (Rutkow-Robbins technique)

Advantages

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



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

Premilene® Mesh Plug

Product features

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

Premilene® Mesh Plug

Self-expandable polypropylene mesh plug for inguinal hernia repair

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

Optilene® Mesh

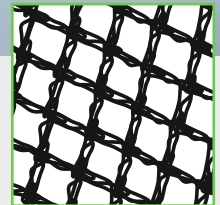
Universal mesh for inguinal and incisional hernia repair

Description

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

Indications

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



Advantages

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





Optilene® Mesh

Product features

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

Optilene® Mesh

Universal light-weight mesh for inguinal and incisional hernia repair

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

* Prevention of incisional hernia in primary closure.

Optilene® Mesh LP

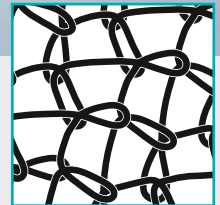
Super-light mesh ideal for inguinal hernia repair procedures

Description

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

Indications

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



Advantages

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





Optilene® Mesh LP

Product features

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

Optilene® Mesh LP

Super-light mesh ideal for inguinal hernia repair procedures

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

* Prevention of incisional hernia in primary closure.

Optilene® Mesh Elastic

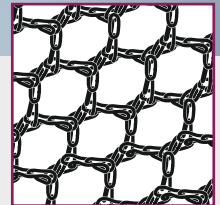
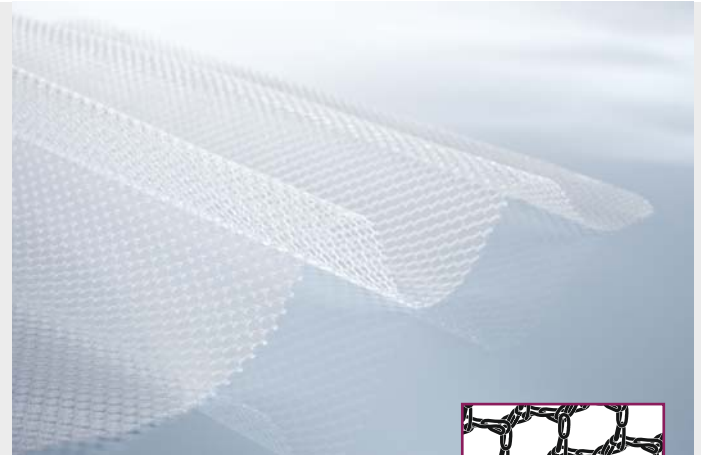
Elastic light-weight and large pore mesh

Description

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

Indications

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



Advantages

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



Optilene® Mesh Elastic

Product features

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

Optilene® Mesh Elastic

Elastic light-weight and large pore mesh

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

* Prevention of incisional hernia in primary closure.

Omyra[®] Mesh

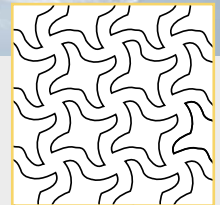
Unique condensed PTFE mesh with big pores,
ideal for intraperitoneal placement

Description

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

Indications

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



Advantages

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




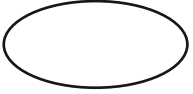
Omyra[®] Mesh

Product features

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

Omyra[®] Mesh

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

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

Absorbable meshes

Safil® Mesh

Safil® Mesh Bag

Absorbable meshes

Colour and article coding for easy box content identification



Safil® Mesh

Absorbable mesh for temporary wound and organ support

Description

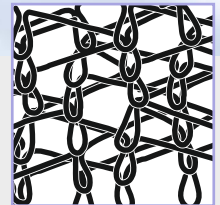
Safil® Mesh is a warp-knitted mesh made of polyglycolic acid. During the wound healing phase the porous structure increases the mechanical load capacity of the supported tissue. Safil® Mesh offers a strong support with a high burst strength. The fine mesh structure may avoid fluid accumulation and ensures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

Indications

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

Advantages

- Strong support
- Excellent suture retention



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



Safil® Mesh

Product features

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

Safil® Mesh

Absorbable mesh for temporary wound and organ support

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

Safil® Mesh Bag

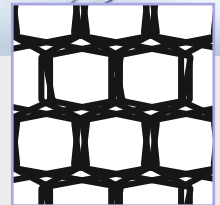
Absorbable mesh bag for organ stabilization and haemostasis

Description

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

Indications

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



Advantages

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

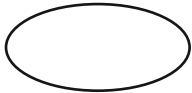

Safil® Mesh Bag

Product features

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

Safil® Mesh Bag

Absorbable mesh bag for organ stabilization and haemostasis

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

Biosurgicals

Tissue adhesives

Haemostats

Bone regenerator

Tissue adhesives

Histoacryl®

Tissue adhesives

Colour and article coding for easy box content identification



Histoacryl®

Tissue adhesives

Description

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

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

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

Indications

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

Advantages wound closure

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



Sclerosation therapy

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

Mesh fixation

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

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

Haemostats

Sangustop®

Lyostypt®

Gelita

Bone Wax / Bone Wax Stick

Haemostats

Colour and article coding for easy box content identification



Sangustop®

Local haemostatic agent for all types of bleeding

Description

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

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

Indications

Sangustop® can be applied in:

- Parenchymal organs
- Capillary bleedings
- Bleeding stitches
- Oozing



Advantages

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

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

Lyostypt®

Local haemostatic agent for minor bleeding

Description

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

Indications

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

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

Advantages

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



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

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

Gelita

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

Description

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

Indications

To fill in dead spaces and control bleeding in:

- Dentistry and maxillar surgery
- Thoracic surgery
- ENT surgery

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

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



Advantages

- Excellent absorption
- Tissue biocompatibility
- Drug compatibility

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

Bone Wax / Bone Wax Stick

For mechanical haemostasis in bone bleeding

Description

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

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

Stick format: Can be spread onto the bleeding area.

Indications

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

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

Advantages

Plate format:

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

Stick format:

- Easiest handling
- Practical lipstick format



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

Bone regenerator

Osteovit®

Bone regenerator

Colour and article coding for easy box content identification



Osteovit®

Collagen matrix for filling bone defects

Description

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

Indications

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

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

Advantages

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



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

Special products

Endoluminal vacuum therapy

Simple management of needles and blades

Endoluminal vacuum therapy

Endo-SPONGE®

Endo-SPONGE®

Endoluminal vacuum therapy

Description

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

Indications

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

Treatment criteria

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



Advantages

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

Advantages for the patient

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

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

Simple management of needles and blades

OP-Magnet

OP-Magnet

Simple management of needles and blades

Description

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

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

Features

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



Your benefits

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

| Content / box | Cat. No. |
|---------------|----------|
| 12 pieces | 1091506 |



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