

# SMI

## *SUTURE MATERIALS*

*For quality  
&  
safety*



SMI

[www.sutures.be](http://www.sutures.be)

## *SMI: Surgical sutures of the highest quality*

SMI AG was established in 1987 - the first Belgian company manufacturing surgical sutures - since then it has grown continuously. Today SMI is recognised as a world-wide supplier of quality surgical sutures and medical devices.

The company is situated in St. Vith in the East of Belgium, near the point where the borders of Belgium, Germany and Luxembourg meet.

### *HIGHEST QUALITY AND SAFETY*

SMI complies with international quality standards such as EN ISO 13485 as well as Good Manufacturing Practices (GMP).

All raw materials and finished products are submitted to stringent quality control by a highly qualified team.

SMI is dedicated to customer satisfaction by ensuring high quality products and an excellent service based on customer focus, reliability and delivery performance.

### *WORLD-WIDE RECOGNITION*

SMI exports to around 120 different countries all over the world. For this performance SMI received the "Royal Export Award 2000" from the Belgian Foreign Trade Board.

### *THE CATALOGUE - EDITION 2021*

This catalogue contains information about the full range of SMI suture materials with details of all standard presentations held in stock. Special sizes of sutures can be supplied following customer's requests. We are constantly striving to increase our product range based on market developments and customer needs.

SMI offers all sizes from USP 12/0 to USP 6 which enables surgeons to operate in all surgical specializations including Cardiology, Microsurgery and Ophthalmology.

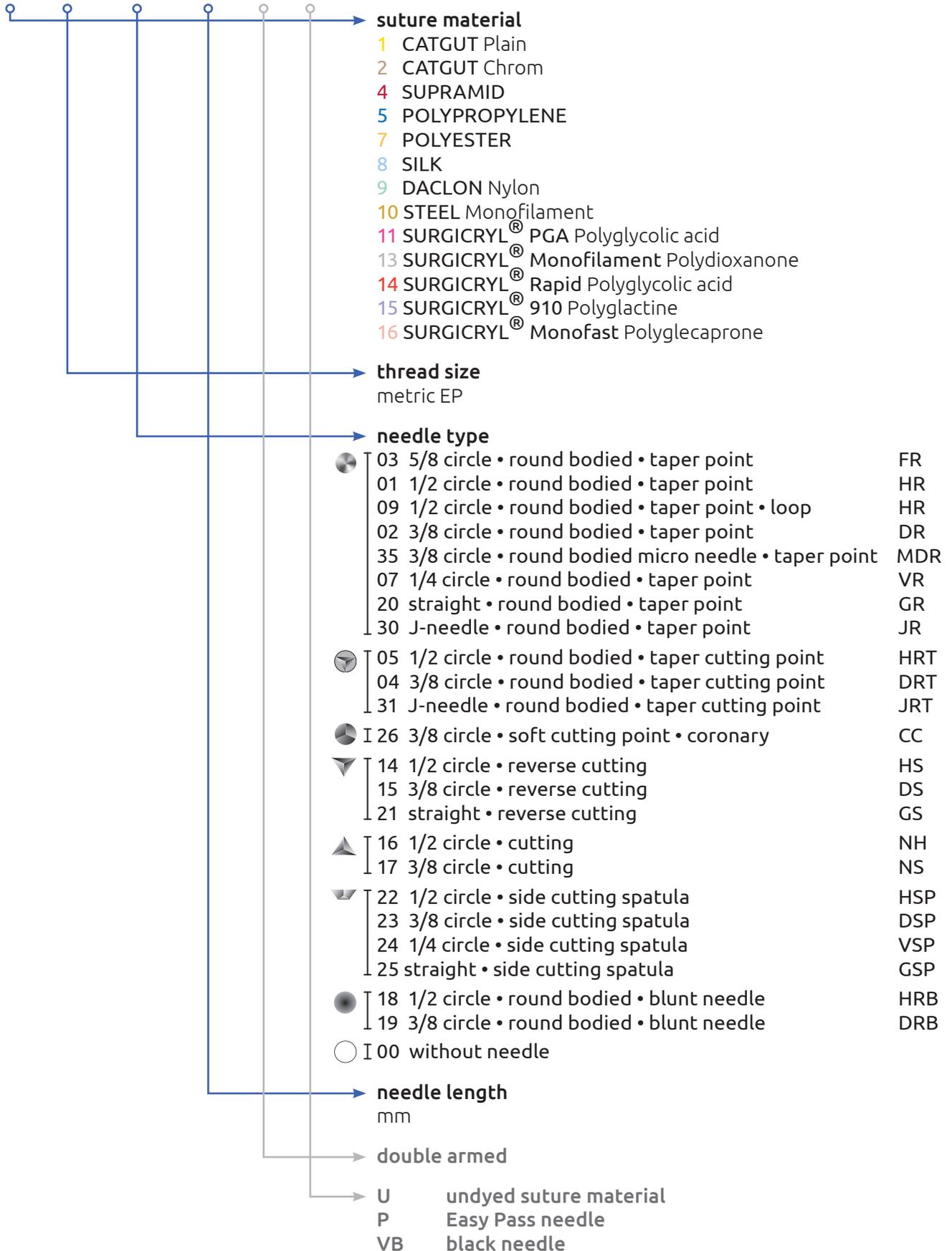
Since many years SMI products are recognized by top surgeons around the world.





# ORDER NUMBER SPECIFICATION

1 20 01 15 2 P



SMI surgical needles are manufactured from highest quality stainless steel grades for outstanding performance, combining high ductility and strong bending moment. Advanced silicon coating ensures smooth penetration and reduced tissue trauma. The shape of the needle body is designed in order to allow maximum stability in the needle holder.

5/8 CIRCLE

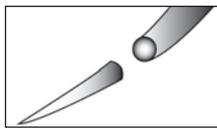
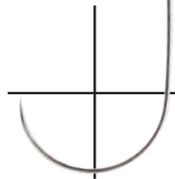
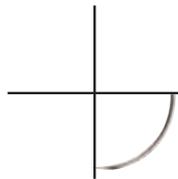
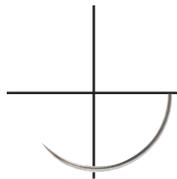
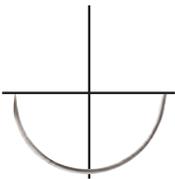
1/2 CIRCLE

3/8 CIRCLE

1/4 CIRCLE

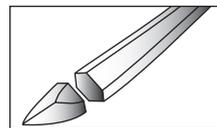
J-NEEDLE

STRAIGHT



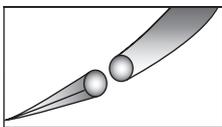
## TAPER POINT

A gradual taper to a round bodied needle.



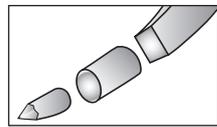
## SIDE CUTTING SPATULA NEEDLES

Needle with cutting edges on the two sides.



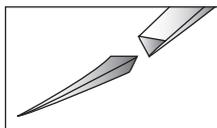
## TAPER CUTTING POINT

Balanced, cutting point-tapering into a round bodied needle.



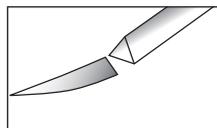
## SOFT CUTTING POINT - CORONARY

A minute point followed by a round body and a rectangular main body for better penetration in cardiovascular surgery.



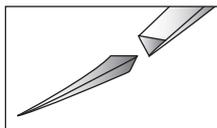
## REVERSE CUTTING

A triangular body offers a third cutting edge on the outer convex curvature.



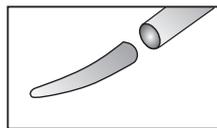
## CONVENTIONAL CUTTING

A triangular body offers a third cutting edge on the inside concave curvature.



## EASY PASS NEEDLE

Precision point with extra sharpening.

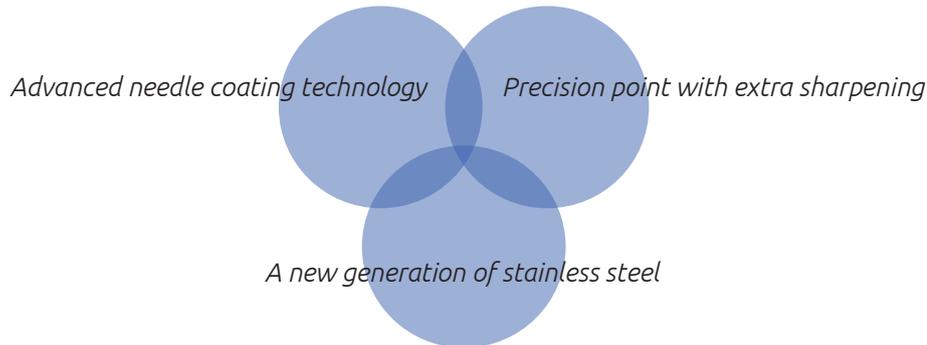


## BLUNT NEEDLE

Cylindrical bodied needle with a rounded point. For soft tissue such as in liver and kidneys. Reduced risk of needle stick injuries.

- ✓ *Sharp and strong*
- ✓ *Easy passing*
- ✓ *Every pass feels like the first one*

The Easy Pass needle combines 3 advanced technologies to a prime precision needle:



## CHARACTERISTICS

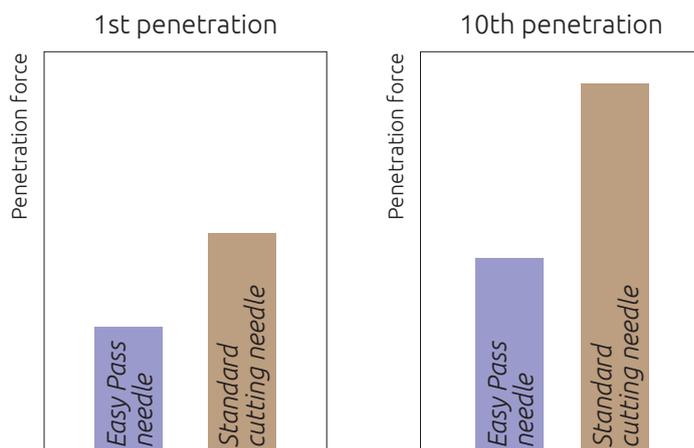
- ✓ Precision point with extra sharpening
- ✓ A new generation of stainless steel
- ✓ Advanced needle coating technology  
Silicone coating covers entire surgical needle

## BENEFITS

- Excellent penetration to reduce patient trauma and to maintain intimal integrity
- Optimal and predicable penetration
- Long-lasting sharpness over a multiplicity of passes
- Significantly sharper pass after pass
- Best bending and break resistance
- Optimal combination of strength and ductility
- Extremely smooth surface
- Better penetration, control and needle passage
- Maintains needle sharpness from start to finish over multiple passes

**INDICATIONS**    Cosmetic and plastic surgery

Penetration performance improved by 40% - 50% compared to standard cutting needles.



# SUTURE MATERIALS

ABSORBABLE SUTURES



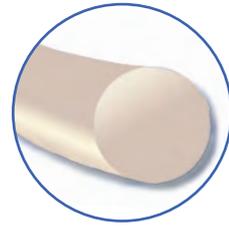
**SURGICRYL®**  
910  
POLYGLACTINE



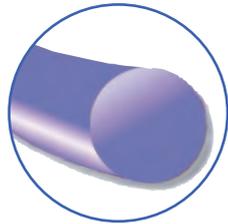
**SURGICRYL®**  
PGA  
POLYGLYCOLIC ACID



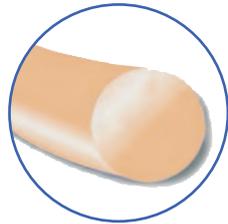
**SURGICRYL®**  
RAPID  
POLYGLYCOLIC ACID



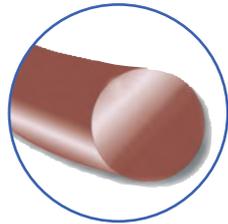
**SURGICRYL®**  
MONOFAST  
POLYGLICAPRONE 25



**SURGICRYL®**  
MONOFILAMENT  
POLYDIOXANONE

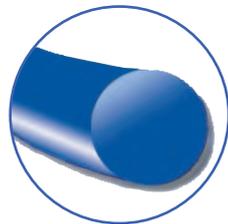


**CATGUT**  
PLAIN

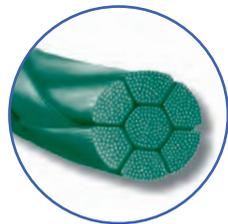


**CATGUT**  
CHROM

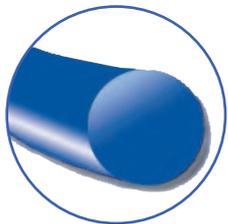
NON-ABSORBABLE SUTURES



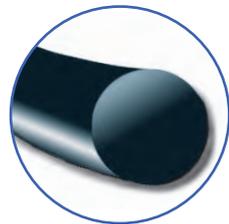
**POLYPROPYLENE**  
BLUE



**POLYESTER**



**DACLON**  
NYLON  
BLUE



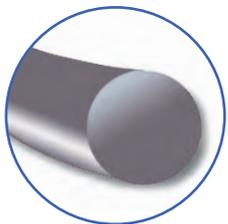
**DACLON**  
NYLON  
BLACK



**SILK**  
BRAIDED  
BLACK



**SILK**  
VIRGIN  
BLUE



**STEEL**  
MONOFILAMENT



**SUPRAMID**  
BLACK

## Sutures in foil packs

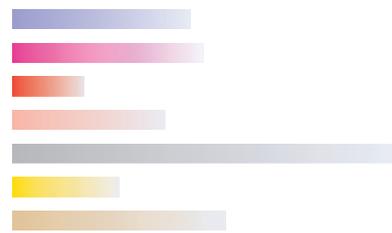
absorbable

- SURGICRYL<sup>®</sup> 910 Polyglactine
- SURGICRYL<sup>®</sup> PGA Polyglycolic acid
- SURGICRYL<sup>®</sup> Rapid Polyglycolic acid
- SURGICRYL<sup>®</sup> Monofast Polyglecaprone
- SURGICRYL<sup>®</sup> Monofilament Polydioxanone
- CATGUT Plain
- CATGUT Chrom

non-absorbable

- POLYPROPYLENE
- DACLON Nylon
- SUPRAMID Polyamide
- SILK Braided
- POLYESTER
- STEEL Monofilament

Loss of tensile strength over time:



## Microsurgery

absorbable

- SURGICRYL<sup>®</sup> 910 Polyglactine

non-absorbable

- DACLON Nylon
- POLYPROPYLENE

## Ophthalmic surgery

absorbable

- SURGICRYL<sup>®</sup> PGA Polyglycolic acid
- SURGICRYL<sup>®</sup> 910 Polyglactine

non-absorbable

- SILK Virgin
- SILK Braided
- DACLON Nylon
- POLYESTER
- POLYPROPYLENE

## Speciality products

- Skin stapler & remover
- Biopsy punch
- Surgical suture rack
- Polypropylene mesh
- Surgical blades & scalpel handles
- Episio set
- Cervix set

- Patella set
- Pilomat - tablet crusher and splitter
- Surgical needles
- Skin marker
- Bone wax
- SMI Spon - absorbable haemostatic gelatin sponge

## Sutures in cassette packs

absorbable

- SURGICRYL<sup>®</sup> PGA Polyglycolic acid
- SURGICRYL<sup>®</sup> PGA Plus Polyglycolic acid
- SURGICRYL<sup>®</sup> Monofilament Polydioxanone
- SURGICRYL<sup>®</sup> Monofast Polyglecaprone
- CATGUT Plain
- CATGUT Chrom

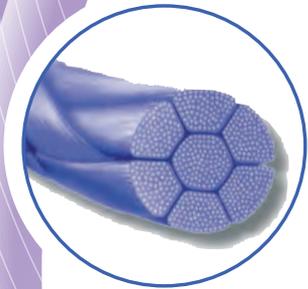
non-absorbable

- SILK Braided black
- SUPRAMID Polyamide white
- SUPRAMID Polyamide black
- LINAFILE Natural
- VITAFIL Polyester white
- DERMAFIL Polyester green
- DACLON Nylon
- STEEL Monofilament

# SURGICRYL<sup>®</sup>

910

POLYGLACTINE



<b>Type</b>	Braided and coated multifilament
<b>Composition</b>	Polyglactine 910, a copolymer made of 90% glycolide and 10% L-lactide
<b>Coating</b>	Poly-glycolide-co-L-lactide and calcium stearate (<1%)
<b>Colour</b>	Violet
<b>Tissue reaction</b>	Minimal
<b>Absorption</b>	The hydrolytic action by which the material is broken down results in total absorption between 56 and 70 days. Between 40% and 50% of tensile strength remain after 21 days.
<b>Presentation</b>	Box with 12 sutures



*For quality  
&  
safety*



[www.sutures.be](http://www.sutures.be)

# SURGICRYL®

## 910

### POLYGLACTINE

### CHARACTERISTICS

- High tensile strength
- Synthetic
- Breaks down by hydrolysis
- Braided structure
  
- Coated multifilament
  
- Hermetically sealed packing

### BENEFITS

- Excellent tissue support
- Minimal tissue reaction
- Predictable absorption rate
- Excellent handling properties
  - High flexibility
  - High tensile strength
  - Excellent knot security
- Soft passage through the tissues with minimal sawing, tissue drag and trauma
- Good knot tie down / adjustability
- Reduced capillary action
  
- Guaranteed seal and product sterility

**INDICATIONS** General soft tissue closing and/or ligation especially in

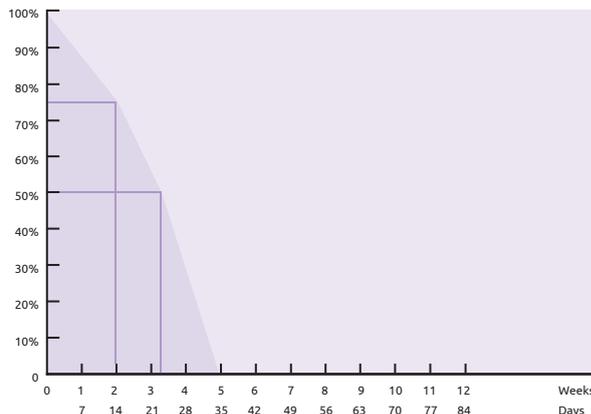
- General surgery
- Skin closure
- Gastrointestinal surgery
- Plastic surgery
- Ophthalmic surgery
- Gynaecology
- Obstetrics
- Orthopaedics
- Urology

**CONTRAINDICATIONS** Cardiovascular surgery  
Neurosurgery

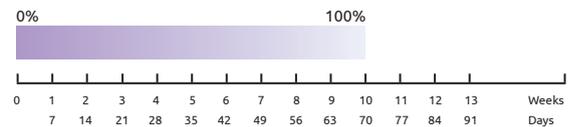
Being absorbable not to use when an extended wound support is required.

Caution in patients with delayed wound healing (e.g. compromised immune system).

### TENSILE STRENGTH



### ABSORPTION



 Without needle

Metric	USP	Length		Order number
1.5	4/0	150 cm	<i>violet</i>	15150015
2	3/0	150 cm	<i>violet</i>	15200015
3	2/0	150 cm	<i>violet</i>	15300015
3.5	0	150 cm	<i>violet</i>	15350015
4	1	150 cm	<i>violet</i>	15400015
5	2	150 cm	<i>violet</i>	15500015
3	2/0	3 x 45 cm	<i>violet</i>	15300045-3
3.5	0	3 x 45 cm	<i>violet</i>	15350045-3
1.5	4/0	6 x 45 cm	<i>violet</i>	15150045-6
2	3/0	6 x 45 cm	<i>violet</i>	15200045-6
3	2/0	6 x 45 cm	<i>violet</i>	15300045-6
3.5	0	6 x 45 cm	<i>violet</i>	15350045-6
1.5	4/0	12 x 45 cm	<i>violet</i>	15150045
2	3/0	12 x 45 cm	<i>violet</i>	15200045
3	2/0	12 x 45 cm	<i>violet</i>	15300045
3.5	0	12 x 45 cm	<i>violet</i>	15350045
4	1	12 x 45 cm	<i>violet</i>	15400045
5	2	12 x 45 cm	<i>violet</i>	15500045
2	3/0	2 x 70 cm	<i>violet</i>	15200070-2
3	2/0	2 x 70 cm	<i>violet</i>	15300070-2
3.5	0	2 x 70 cm	<i>violet</i>	15350070-2
4	1	2 x 70 cm	<i>violet</i>	15400070-2
5	2	2 x 70 cm	<i>violet</i>	15500070-2
4	1	7 x 75 cm	<i>violet</i>	15400075

 Without needle

Ligapack

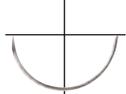


Metric	USP	Length		Order number
2	3/0	250 cm	<i>violet</i>	15200025
3	2/0	250 cm	<i>violet</i>	15300025
3.5	0	250 cm	<i>violet</i>	15350025
4	1	250 cm	<i>violet</i>	15400025
5	2	250 cm	<i>violet</i>	15500025



## Round bodied taper point

1/2 circle



		Metric	USP	Length		Order number
HR 13 mm		0.7	6/0	75 cm	<i>violet</i>	15070113
		1	5/0	75 cm	<i>violet</i>	15100113
		1.5	4/0	75 cm	<i>violet</i>	15150113
HR 17 mm		0.7	6/0	75 cm	<i>violet</i>	15070117
		1	5/0	75 cm	<i>violet</i>	15100117
		1.5	4/0	75 cm	<i>violet</i>	15150117
		2	3/0	75 cm	<i>violet</i>	15200117
HR 22 mm		3	2/0	75 cm	<i>violet</i>	15300117
		1.5	4/0	75 cm	<i>violet</i>	15150122
		2	3/0	75 cm	<i>violet</i>	15200122
HR 26 mm		3	2/0	75 cm	<i>violet</i>	15300122
		4	1	75 cm	<i>violet</i>	15400122
		1	5/0	75 cm	<i>violet</i>	15100126
		1.5	4/0	75 cm	<i>violet</i>	15150126
HR 30 mm		2	3/0	75 cm	<i>violet</i>	15200126
		3	2/0	75 cm	<i>violet</i>	15300126
		3	2/0	75 cm	<i>undyed</i>	15300126U
		3.5	0	75 cm	<i>violet</i>	15350126
		4	1	75 cm	<i>violet</i>	15400126
		5	2	75 cm	<i>violet</i>	15500126
		2	3/0	75 cm	<i>violet</i>	15200130
HR 36 mm		3	2/0	75 cm	<i>violet</i>	15300130
		3.5	0	75 cm	<i>violet</i>	15350130
		4	1	75 cm	<i>violet</i>	15400130
		5	2	90 cm	<i>violet</i>	15500130
HR 36 mm		2	3/0	75 cm	<i>violet</i>	15200136
		3	2/0	75 cm	<i>violet</i>	15300136
		3	2/0	75 cm	<i>undyed</i>	15300136U
		3.5	0	90 cm	<i>violet</i>	15350136
		4	1	75 cm	<i>violet</i>	15400136-75
HR 36 mm		4	1	90 cm	<i>violet</i>	15400136
		5	2	90 cm	<i>violet</i>	15500136

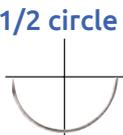


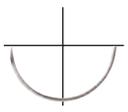
### Round bodied taper point

		Metric	USP	Length		Order number
	HR 40 mm 	2	3/0	75 cm	<i>violet</i>	15200140
		3	2/0	75 cm	<i>violet</i>	15300140
		3.5	0	75 cm	<i>violet</i>	15350140-75
		3.5	0	90 cm	<i>violet</i>	15350140
		4	1	75 cm	<i>violet</i>	15400140-75
		4	1	90 cm	<i>violet</i>	15400140
		5	2	75 cm	<i>violet</i>	15500140-75
		5	2	90 cm	<i>violet</i>	15500140
	HR 45 mm 	4	1	90 cm	<i>violet</i>	15400145
		5	2	90 cm	<i>violet</i>	15500145
	HR 48 mm 	3	2/0	90 cm	<i>violet</i>	15300148
		3.5	0	90 cm	<i>violet</i>	15350148
		4	1	90 cm	<i>violet</i>	15400148
	HR 60 mm 	5	2	90 cm	<i>violet</i>	15500148
4		1	75 cm	<i>violet</i>	15400160	
HR 65 mm 	3	2/0	90 cm	<i>violet</i>	15300165	
	3.5	0	90 cm	<i>violet</i>	15350165	
HR 80 mm 	4	1	100 cm	<i>violet</i>	15400180	

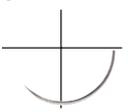


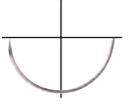
### Round bodied taper point double armed

		Metric	USP	Length		Order number
	2 x HR 26 mm 	2	3/0	75 cm	<i>violet</i>	15200126-2
		3	2/0	75 cm	<i>violet</i>	15300126-2

 Round bodied taper point loop	Metric	USP	Length	Order number	
<b>1/2 circle</b> 	HR 45 mm	3.5	0	150 cm	<i>violet</i> 15350945
					

 Round bodied taper point	Metric	USP	Length	Order number	
<b>5/8 circle</b> 	FR 27 mm	3	2/0	75 cm	<i>violet</i> 15300327
		3.5	0	75 cm	<i>violet</i> 15350327

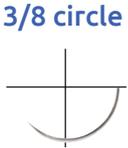
 Round bodied taper point	Metric	USP	Length	Order number	
<b>3/8 circle</b> 	DR 17 mm	1.5	4/0	45 cm	<i>violet</i> 15150217
	DR 22 mm	2	3/0	75 cm	<i>violet</i> 15200222
	DR 30 mm	4	1	75 cm	<i>violet</i> 15400230
	DR 32 mm	3	2/0	90 cm	<i>violet</i> 15300232
		3.5	0	75 cm	<i>violet</i> 15350232

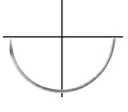
 Reverse cutting	Metric	USP	Length	Order number	
<b>1/2 circle</b> 	HS 12 mm	0.7	6/0	45 cm	<i>violet</i> 15071412
	HS 17 mm	1	5/0	75 cm	<i>violet</i> 15101417
		1.5	4/0	75 cm	<i>violet</i> 15151417
	HS 22 mm	2	3/0	75 cm	<i>violet</i> 15201422
	HS 23 mm	5	2	90 cm	<i>violet</i> 15501423
		2	3/0	75 cm	<i>violet</i> 15201426
	HS 26 mm	3	2/0	75 cm	<i>violet</i> 15301426
		3.5	0	75 cm	<i>violet</i> 15351426
		4	1	75 cm	<i>violet</i> 15401426
	HS 30 mm	2	3/0	75 cm	<i>violet</i> 15201430

Reverse cutting		Metric	USP	Length		Order number
<b>1/2 circle</b> 	HS 36 mm 	3	2/0	75 cm	<i>violet</i>	15301436
		3.5	0	90 cm	<i>violet</i>	15351436
		4	1	90 cm	<i>violet</i>	15401436
		5	2	90 cm	<i>violet</i>	15501436
	HS 40 mm 	2	3/0	90 cm	<i>violet</i>	15201440
		3	2/0	90 cm	<i>violet</i>	15301440
		3.5	0	90 cm	<i>violet</i>	15351440
		4	1	90 cm	<i>violet</i>	15401440
		5	2	90 cm	<i>violet</i>	15501440
		HS 48 mm 	3.5	0	90 cm	<i>violet</i>
	4		1	90 cm	<i>violet</i>	15401448
	5		2	90 cm	<i>violet</i>	15501448

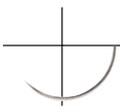
Reverse cutting		Metric	USP	Length		Order number
<b>3/8 circle</b> 	DS 12 mm 	0.7	6/0	45 cm	<i>violet</i>	15071512
		1	5/0	45 cm	<i>violet</i>	15101512
		1.5	4/0	45 cm	<i>violet</i>	15151512
	DS 16 mm 	0.7	6/0	45 cm	<i>violet</i>	15071516
		1	5/0	75 cm	<i>violet</i>	15101516
		1.5	4/0	75 cm	<i>violet</i>	15151516
	DS 16 mm Easy Pass 	2	3/0	45 cm	<i>violet</i>	15201516-45
		2	3/0	50 cm	<i>undyed</i>	15201516UP
		2	3/0	50 cm	<i>undyed</i>	15201516UP
	DS 16 mm black 	0.7	6/0	45 cm	<i>violet</i>	15071516VB
		1	5/0	75 cm	<i>violet</i>	15101519
	DS 19 mm 	1.5	4/0	75 cm	<i>violet</i>	15151519
		2	3/0	75 cm	<i>violet</i>	15201519
		2	3/0	75 cm	<i>violet</i>	15201519
	DS 19 mm Easy Pass 	1.5	4/0	50 cm	<i>undyed</i>	15151519UP
		2	3/0	50 cm	<i>undyed</i>	15201519UP
	DS 19 mm black 	1	5/0	75 cm	<i>violet</i>	15101519VB
		1.5	4/0	75 cm	<i>violet</i>	15151519VB
	DS 24 mm 	1.5	4/0	75 cm	<i>violet</i>	15151524
		2	3/0	75 cm	<i>violet</i>	15201524
		3	2/0	75 cm	<i>violet</i>	15301524
3.5		0	75 cm	<i>violet</i>	15351524	

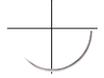


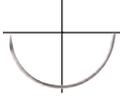
 Reverse cutting		Metric	USP	Length		Order number	
	DS 24 mm Easy Pass		2	3/0	50 cm	<i>undyed</i>	15201524UP
	DS 26 mm		2	3/0	75 cm	<i>violet</i>	15201526
			3	2/0	75 cm	<i>violet</i>	15301526
	DS 26 mm Easy Pass		2	3/0	75 cm	<i>undyed</i>	15201526UP
	DS 30 mm		2	3/0	75 cm	<i>violet</i>	15201530
			3	2/0	75 cm	<i>violet</i>	15301530
			3	2/0	90 cm	<i>violet</i>	15301530-90
			3.5	0	75 cm	<i>violet</i>	15351530
			3.5	0	90 cm	<i>violet</i>	15351530-90
	DS 30 mm Easy Pass		3	2/0	75 cm	<i>undyed</i>	15301530UP-75
	DS 36 mm		3	2/0	75 cm	<i>violet</i>	15301536
			3.5	0	75 cm	<i>violet</i>	15351536
			4	1	75 cm	<i>violet</i>	15401536
	DS 40 mm		3.5	0	75 cm	<i>violet</i>	15351540
4			1	75 cm	<i>violet</i>	15401540	
DS 45 mm		3	2/0	75 cm	<i>violet</i>	15301545	
DS 80 mm		7	5	150 cm	<i>violet</i>	15701580	

 Round bodied taper cutting point		Metric	USP	Length		Order number	
	HRT 13 mm		1.5	4/0	75 cm	<i>violet</i>	15150513
	HRT 17 mm		1.5	4/0	75 cm	<i>violet</i>	15150517
			2	3/0	75 cm	<i>violet</i>	15200517
	HRT 26 mm		1.5	4/0	75 cm	<i>violet</i>	15150526
			2	3/0	75 cm	<i>violet</i>	15200526
			3	2/0	75 cm	<i>violet</i>	15300526
			3	2/0	75 cm	<i>violet</i>	15300530
	HRT 30 mm		3.5	0	75 cm	<i>violet</i>	15350530
			4	1	75 cm	<i>violet</i>	15400530

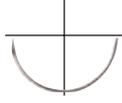
 Round bodied taper cutting point	Metric	USP	Length	Order number	
 <b>1/2 circle</b>	 HRT 36 mm	3	2/0	90 cm	<i>violet</i> 15300536
		3.5	0	90 cm	<i>violet</i> 15350536
		4	1	90 cm	<i>violet</i> 15400536
	 HRT 40 mm	3.5	0	90 cm	<i>violet</i> 15350540
		4	1	90 cm	<i>violet</i> 15400540
		5	2	90 cm	<i>violet</i> 15500540
	 HRT 48 mm	8	6	150 cm	<i>violet</i> 15800548

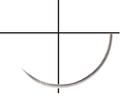
 Round bodied taper cutting point	Metric	USP	Length	Order number	
 <b>3/8 circle</b>	 DRT 17 mm	1.5	4/0	75 cm	<i>violet</i> 15150417
		2	3/0	75 cm	<i>violet</i> 15200417

 Round bodied taper cutting point	Metric	USP	Length	Order number
 <b>3/8 circle</b>	 DRT 13 mm	1	75 cm	<i>violet</i> 15100530-0413

 Round bodied taper point  Round bodied taper cutting point	Metric	USP	Length	Order number
 <b>1/2 circle</b>	 HR 40 mm	4	180 cm	<i>violet</i> 15400140-0540-180

 Cutting	Metric	USP	Length	Order number
 <b>Straight</b>	 GS 60 mm	2	3/0	<i>violet</i> 15202160
		3	2/0	<i>violet</i> 15302160

 Blunt		Metric	USP	Length		Order number
	HRB 36 mm	3.5	0	90 cm	<i>violet</i>	15351836
		4	1	90 cm	<i>violet</i>	15401836
	HRB 40 mm	4	1	90 cm	<i>violet</i>	15401840
	HRB 45 mm	5	2	90 cm	<i>violet</i>	15501845

 Blunt		Metric	USP	Length		Order number
	DRB 63 mm	4	1	100 cm	<i>violet</i>	15401963
	DRB 85 mm	5	2	75 cm	<i>violet</i>	15501985

# SURGICRYL®

## PGA

### POLYGLYCOLIC ACID

SURGICRYL®  
PGA  
POLYGLYCOLIC ACID



<b>Type</b>	Braided and coated multifilament
<b>Composition</b>	Polyglycolic acid
<b>Coating</b>	Polycaprolactone and calcium stearate (1%)
<b>Colour</b>	Violet / Beige - undyed
<b>Tissue reaction</b>	Minimal
<b>Absorption</b>	The hydrolytic action by which the material is broken down results in total absorption in approximately 60 to 90 days. Approximately 50% of tensile strength remain after 21 days.
<b>Presentation</b>	Box with 12 sutures



*For quality  
&  
safety*

**smi**

[www.sutures.be](http://www.sutures.be)

# SURGICRYL®

PGA  
POLYGLYCOLIC ACID

## CHARACTERISTICS

- High tensile strength
- Synthetic
- Breaks down by hydrolysis
- Braided structure
  
- Coated multifilament
  
- Hermetically sealed packing

**INDICATIONS** General soft tissue closing and/or ligation especially in

- General surgery
- Skin closure
- Gastrointestinal surgery
- Gynaecology
- Obstetrics
- Plastic surgery
- Urology
- Ophthalmic surgery
- Orthopaedics

## BENEFITS

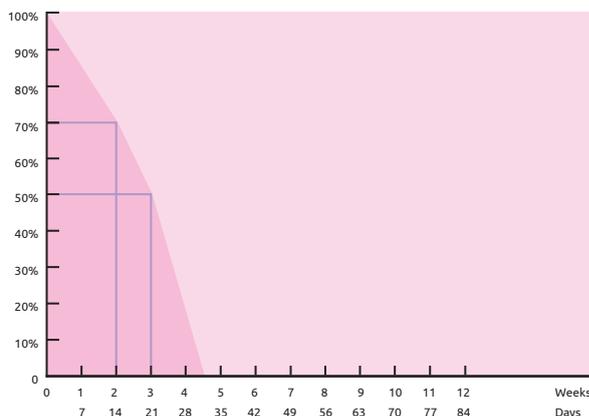
- Excellent tissue support
- Minimal tissue reaction
- Predictable absorption rate
- Excellent handling properties
  - High flexibility
  - High tensile strength
  - Excellent knot security
- Soft passage through the tissues with minimal sawing, tissue drag and trauma
- Good knot tie down / adjustability
- Reduced capillary action
  
- Guaranteed seal and product sterility

**CONTRAINDICATIONS** Cardiovascular surgery  
Neurosurgery

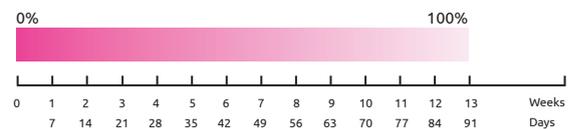
Being absorbable not to use when an extended wound support is required.

Caution in patients with delayed wound healing (e.g. compromised immune system).

## TENSILE STRENGTH



## ABSORPTION



○ Without needle

Metric	USP	Length		Order number
2	3/0	150 cm	<i>violet</i>	11200015
3	2/0	150 cm	<i>violet</i>	11300015
3.5	0	150 cm	<i>violet</i>	11350015
4	1	150 cm	<i>violet</i>	11400015
5	2	150 cm	<i>violet</i>	11500015
6	3&4	150 cm	<i>violet</i>	11600015
7	5	150 cm	<i>violet</i>	11700015
8	6	150 cm	<i>violet</i>	11800015
1.5	4/0	3 x 50 cm	<i>violet</i>	11150050
2	3/0	3 x 50 cm	<i>violet</i>	11200050
3	2/0	3 x 50 cm	<i>violet</i>	11300050
3.5	0	3 x 50 cm	<i>violet</i>	11350050
4	1	3 x 50 cm	<i>violet</i>	11400050
5	2	3 x 50 cm	<i>violet</i>	11500050
2	3/0	12 x 45 cm	<i>violet</i>	11200045
3	2/0	12 x 45 cm	<i>violet</i>	11300045
3.5	0	12 x 45 cm	<i>violet</i>	11350045
4	1	12 x 45 cm	<i>violet</i>	11400045
5	2	12 x 45 cm	<i>violet</i>	11500045
1.5	4/0	6 x 45 cm	<i>violet</i>	11150045-6
2	3/0	6 x 45 cm	<i>violet</i>	11200045-6
3	2/0	6 x 45 cm	<i>violet</i>	11300045-6
3.5	0	6 x 45 cm	<i>violet</i>	11350045-6
4	1	6 x 45 cm	<i>violet</i>	11400045-6
5	2	6 x 45 cm	<i>violet</i>	11500045-6
2	3/0	10 x 60 cm	<i>violet</i>	11200060
3	2/0	10 x 60 cm	<i>violet</i>	11300060
2	3/0	5 x 70 cm	<i>violet</i>	11200070
3	2/0	5 x 70 cm	<i>violet</i>	11300070
3.5	0	5 x 70 cm	<i>violet</i>	11350070
4	1	5 x 70 cm	<i>violet</i>	11400070
5	2	5 x 70 cm	<i>violet</i>	11500070



## Without needle

### Ligapack

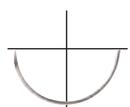


Metric	USP	Length		Order number
1.5	4/0	250 cm	<i>violet</i>	11150025
2	3/0	250 cm	<i>violet</i>	11200025
3	2/0	250 cm	<i>violet</i>	11300025
3.5	0	250 cm	<i>violet</i>	11350025
4	1	250 cm	<i>violet</i>	11400025
5	2	250 cm	<i>violet</i>	11500025
6	3&4	250 cm	<i>violet</i>	11600025



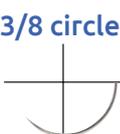
## Round bodied taper point

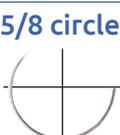
### 1/2 circle



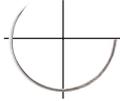
	Metric	USP	Length		Order number
HR 13 mm 	0.7	6/0	75 cm	<i>violet</i>	11070113
	1	5/0	75 cm	<i>violet</i>	11100113
	1.5	4/0	75 cm	<i>violet</i>	11150113
HR 17 mm 	0.7	6/0	75 cm	<i>violet</i>	11070117
	1	5/0	75 cm	<i>violet</i>	11100117
	1.5	4/0	75 cm	<i>violet</i>	11150117
	2	3/0	75 cm	<i>violet</i>	11200117
	3	2/0	75 cm	<i>violet</i>	11300117
HR 22 mm 	1.5	4/0	75 cm	<i>violet</i>	11150122
	2	3/0	75 cm	<i>violet</i>	11200122
	2	3/0	75 cm	<i>undyed</i>	11200122U
	3	2/0	75 cm	<i>violet</i>	11300122
HR 26 mm 	1.5	4/0	75 cm	<i>violet</i>	11150126
	2	3/0	75 cm	<i>violet</i>	11200126
	2	3/0	75 cm	<i>undyed</i>	11200126U
	3	2/0	75 cm	<i>violet</i>	11300126
	3	2/0	75 cm	<i>undyed</i>	11300126U
	3.5	0	75 cm	<i>violet</i>	11350126
	4	1	75 cm	<i>violet</i>	11400126
HR 30 mm 	2	3/0	75 cm	<i>violet</i>	11200130
	3	2/0	75 cm	<i>violet</i>	11300130
	3	2/0	75 cm	<i>undyed</i>	11300130U
	3.5	0	75 cm	<i>violet</i>	11350130
	4	1	75 cm	<i>violet</i>	11400130
HR 36 mm 	2	3/0	75 cm	<i>violet</i>	11200136
	3	2/0	75 cm	<i>violet</i>	11300136
	3.5	0	90 cm	<i>violet</i>	11350136
	4	1	90 cm	<i>violet</i>	11400136

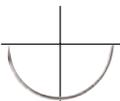
 Round bodied taper point	Metric	USP	Length	Order number	
 <b>1/2 circle</b>  HR 40 mm	3	2/0	75 cm	<i>violet</i> 11300140	
	3.5	0	90 cm	<i>violet</i> 11350140	
	4	1	75 cm	<i>violet</i> 11400140-75	
	4	1	90 cm	<i>violet</i> 11400140	
	5	2	75 cm	<i>violet</i> 11500140-75	
	5	2	90 cm	<i>violet</i> 11500140	
	 HR 48 mm	3	2/0	75 cm	<i>violet</i> 11300148
		3.5	0	90 cm	<i>violet</i> 11350148
		4	1	90 cm	<i>violet</i> 11400148
		5	2	90 cm	<i>violet</i> 11500148
6	3&4	90 cm	<i>violet</i> 11600148		

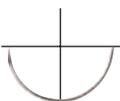
 Round bodied taper point	Metric	USP	Length	Order number
 <b>3/8 circle</b>  DR 17 mm	1.5	4/0	75 cm	<i>violet</i> 11150217
	2	3/0	75 cm	<i>violet</i> 11200217
	 DR 25 mm	4	1	75 cm

 Round bodied taper point	Metric	USP	Length	Order number
 <b>5/8 circle</b>  FR 27 mm	3	2/0	75 cm	<i>violet</i> 11300327

 Round bodied taper point	Metric	USP	Length	Order number
 <b>J-needle</b>  JR 36 mm	3	2/0	75 cm	<i>violet</i> 11303036
	3.5	0	75 cm	<i>violet</i> 11353036
	4	1	75 cm	<i>violet</i> 11403040

 Round bodied taper point	Metric	USP	Length	Order number			
<b>5/8 circle</b>  <b>J-needle</b> 	JR 36 mm FR 27 mm	 	3.5	0	75 cm	<i>violet</i>	11353036-0327

 Round bodied taper point loop	Metric	USP	Length	Order number			
<b>1/2 circle</b> 	HR 50 mm		4	1	150 cm	<i>violet</i>	11400950

 Round bodied taper cutting point	Metric	USP	Length	Order number			
<b>1/2 circle</b> 	HRT 26 mm		3	2/0	75 cm	<i>violet</i>	11300526
	HRT 30 mm		3	2/0	75 cm	<i>violet</i>	11300530
			3.5	0	75 cm	<i>violet</i>	11350530
			4	1	75 cm	<i>violet</i>	11400530
	HRT 36 mm		3	2/0	90 cm	<i>violet</i>	11300536
			3.5	0	90 cm	<i>violet</i>	11350536
			4	1	90 cm	<i>violet</i>	11400536
	HRT 40 mm		3.5	0	90 cm	<i>violet</i>	11350540
			4	1	90 cm	<i>violet</i>	11400540
	HRT 48 mm		5	2	90 cm	<i>violet</i>	11500540
			4	1	90 cm	<i>violet</i>	11400548

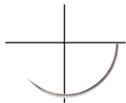
 Round bodied taper cutting point	Metric	USP	Length	Order number			
<b>J-needle</b> 	JRT 31 mm		4	1	75 cm	<i>violet</i>	11403131

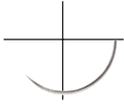


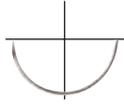
## Reverse cutting

		Metric	USP	Length		Order number
DS 12 mm		0.7	6/0	45 cm	<i>violet</i>	<b>11071512</b>
		0.7	6/0	45 cm	<i>undyed</i>	11071512U
		1	5/0	45 cm	<i>violet</i>	11101512
		1.5	4/0	75 cm	<i>violet</i>	11151512
DS 12 mm Easy Pass		0.7	6/0	50 cm	<i>undyed</i>	11071512UP
		1	5/0	50 cm	<i>undyed</i>	11101512UP
		1.5	4/0	50 cm	<i>undyed</i>	11151512UP
DS 16 mm		0.7	6/0	75 cm	<i>violet</i>	11071516
		1	5/0	75 cm	<i>violet</i>	11101516
		1	5/0	75 cm	<i>undyed</i>	11101516U
		1.5	4/0	75 cm	<i>violet</i>	11151516
		1.5	4/0	75 cm	<i>undyed</i>	11151516U
		2	3/0	75 cm	<i>violet</i>	11201516
DS 16 mm Easy Pass		1.5	4/0	50 cm	<i>undyed</i>	11151516UP
DS 19 mm		1	5/0	75 cm	<i>violet</i>	11101519
		1.5	4/0	75 cm	<i>violet</i>	11151519
		1.5	4/0	75 cm	<i>undyed</i>	11151519U
		2	3/0	75 cm	<i>violet</i>	11201519
		2	3/0	90 cm	<i>violet</i>	11201519-90
		2	3/0	75 cm	<i>undyed</i>	11201519U
		3	2/0	75 cm	<i>violet</i>	11301519
DS 19 mm Easy Pass		1.5	4/0	50 cm	<i>undyed</i>	11151519UP
		2	3/0	50 cm	<i>undyed</i>	11201519UP
DS 24 mm		2	3/0	75 cm	<i>violet</i>	11201524
		2	3/0	75 cm	<i>undyed</i>	11201524U
		3	2/0	75 cm	<i>violet</i>	11301524
		3	2/0	75 cm	<i>undyed</i>	11301524U
		3.5	0	75 cm	<i>violet</i>	11351524
DS 24 mm Easy Pass		2	3/0	50 cm	<i>undyed</i>	11201524UP
		3	2/0	50 cm	<i>undyed</i>	11301524UP
DS 30 mm		1.5	4/0	75 cm	<i>violet</i>	11151530
		2	3/0	75 cm	<i>violet</i>	11201530
		3	2/0	75 cm	<i>violet</i>	11301530
		3	2/0	75 cm	<i>undyed</i>	11301530U
		3.5	0	75 cm	<i>violet</i>	11351530
		4	1	75 cm	<i>violet</i>	11401530
		5	2	75 cm	<i>violet</i>	11501530

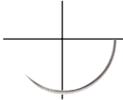
3/8 circle



Reverse cutting		Metric	USP	Length		Order number
3/8 circle 	DS 36 mm 	3	2/0	75 cm	<i>violet</i>	11301536
		3.5	0	75 cm	<i>violet</i>	11351536
		4	1	75 cm	<i>violet</i>	11401536
	DS 40 mm 	5	2	75 cm	<i>violet</i>	11501536
		3	2/0	75 cm	<i>violet</i>	11301540
		3.5	0	75 cm	<i>violet</i>	11351540
		4	1	75 cm	<i>violet</i>	11401540
		5	2	75 cm	<i>violet</i>	11501540

Reverse cutting		Metric	USP	Length		Order number
1/2 circle 	HS 22 mm 	2	3/0	75 cm	<i>violet</i>	11201422
		2	3/0	75 cm	<i>undyed</i>	11201422U
		3	2/0	75 cm	<i>violet</i>	11301422
		3	2/0	75 cm	<i>undyed</i>	11301422U
	HS 26 mm 	1.5	4/0	75 cm	<i>violet</i>	11151426
		2	3/0	75 cm	<i>violet</i>	11201426
		3	2/0	75 cm	<i>violet</i>	11301426
		3.5	0	75 cm	<i>violet</i>	11351426
	HS 30 mm 	2	3/0	75 cm	<i>violet</i>	11201430
		3	2/0	75 cm	<i>violet</i>	11301430
		5	2	90 cm	<i>violet</i>	11501430
	HS 36 mm 	3	2/0	90 cm	<i>violet</i>	11301436
		3.5	0	90 cm	<i>violet</i>	11351436
		4	1	90 cm	<i>violet</i>	11401436
		5	2	90 cm	<i>violet</i>	11501436
	HS 40 mm 	3	2/0	90 cm	<i>violet</i>	11301440
		3.5	0	90 cm	<i>violet</i>	11351440
		4	1	90 cm	<i>violet</i>	11401440
	HS 48 mm 	5	2	90 cm	<i>violet</i>	11501440
		3.5	0	90 cm	<i>violet</i>	11351448
4		1	90 cm	<i>violet</i>	11401448	
5		2	90 cm	<i>violet</i>	11501448	
6		3&4	90 cm	<i>violet</i>	11601448	

 Cutting		Metric	USP	Length		Order number
<b>Straight</b> 	GS 60 mm 	2	3/0	75 cm	<i>violet</i>	11202160
		2	3/0	75 cm	<i>undyed</i>	11202160U
		3	2/0	75 cm	<i>violet</i>	11302160
		3	2/0	75 cm	<i>undyed</i>	11302160U

 Cutting		Metric	USP	Length		Order number
<b>3/8 circle</b> 	NS 16 mm 	1	5/0	45 cm	<i>violet</i>	11101716

# SURGICRYL<sup>®</sup>

## RAPID

### POLYGLYCOLIC ACID



<b>Type</b>	Braided and coated multifilament
<b>Composition</b>	Polyglycolic acid
<b>Coating</b>	Polycaprolactone and calcium stearate (1%)
<b>Colour</b>	Beige - undyed / Violet
<b>Tissue reaction</b>	Minimal
<b>Absorption</b>	The hydrolytic action by which the material is broken down results in total absorption in approximately 42 days. Approximately 50% of tensile strength remain after 7 days.
<b>Presentation</b>	Box with 12 sutures



*For quality  
&  
safety*

**smi**

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# SURGICRYL<sup>®</sup>

## RAPID

### POLYGLYCOLIC ACID

#### CHARACTERISTICS

- High initial tensile strength
- Synthetic
- Breaks down by hydrolysis
- Braided structure
  
- Coated multifilament
  
- Hermetically sealed packing

#### BENEFITS

- Excellent tissue support
- Minimal tissue reaction
- Predictable absorption rate, quick mass absorption
- Excellent handling properties
  - High flexibility
  - High tensile strength
  - Excellent knot security
- Soft passage through the tissues with minimal sawing, tissue drag and trauma
- Good knot tie down / adjustability
- Reduced capillary action
- Guaranteed seal and product sterility

**INDICATIONS** Superficial soft tissue closing of skin and mucosa only

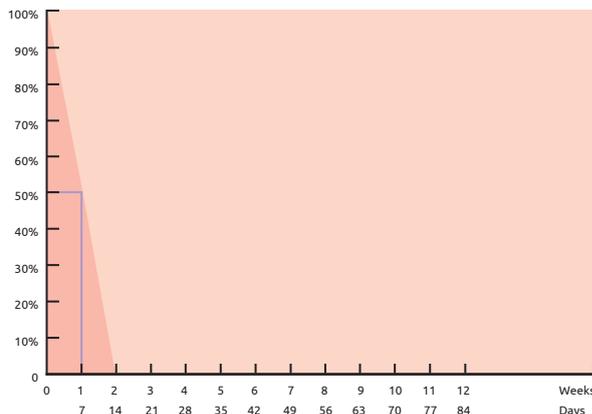
especially in Plastic surgery  
Obstetrics (Episiotomy repair)  
Gynaecology  
Urology (Circumcision)  
Ophthalmic surgery (Conjunctiva)  
Pediatric surgery

**CONTRAINDICATIONS** Cardiovascular surgery  
Neurosurgery  
Ligation

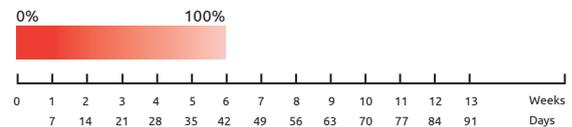
When wound support for more than 7 days is required.

Caution in patients with delayed wound healing (e.g. compromised immune system).

#### TENSILE STRENGTH



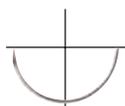
#### ABSORPTION

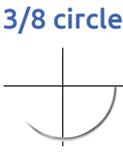


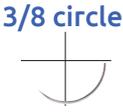
 Without needle	Metric	USP	Length		Order number
	2	3/0	150 cm	<i>undyed</i>	14200015
	3	2/0	150 cm	<i>undyed</i>	14300015
	3.5	0	150 cm	<i>undyed</i>	14350015
	4	1	150 cm	<i>undyed</i>	14400015
	5	2	150 cm	<i>undyed</i>	14500015

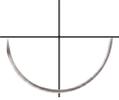
 Round bodied taper point	Metric	USP	Length		Order number
HR 13 mm 	1	5/0	75 cm	<i>undyed</i>	14100113
HR 17 mm 	1	5/0	75 cm	<i>undyed</i>	14100117
	1.5	4/0	75 cm	<i>undyed</i>	14150117
HR 22 mm 	2	3/0	75 cm	<i>undyed</i>	14200117
	1.5	4/0	75 cm	<i>undyed</i>	14150122
HR 26 mm 	2	3/0	75 cm	<i>undyed</i>	14200122
	3	2/0	75 cm	<i>undyed</i>	14300122
HR 30 mm 	2	3/0	75 cm	<i>undyed</i>	14200126
	3	2/0	75 cm	<i>undyed</i>	14300126
HR 36 mm 	3.5	0	75 cm	<i>undyed</i>	14350126
	2	3/0	75 cm	<i>undyed</i>	14200130
HR 40 mm 	3	2/0	75 cm	<i>undyed</i>	14300130
	3.5	0	75 cm	<i>undyed</i>	14350130
HR 48 mm 	3	2/0	75 cm	<i>undyed</i>	14300136
	3.5	0	90 cm	<i>undyed</i>	14350136
	4	1	90 cm	<i>undyed</i>	14400136
HR 40 mm 	4	1	90 cm	<i>undyed</i>	14400140
	5	2	90 cm	<i>undyed</i>	14500140
	3	2/0	75 cm	<i>undyed</i>	14300148
HR 48 mm 	3.5	0	90 cm	<i>undyed</i>	14350148
	4	1	90 cm	<i>undyed</i>	14400148
	5	2	90 cm	<i>undyed</i>	14500148

1/2 circle

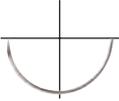


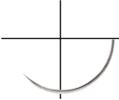
 Reverse cutting		Metric	USP	Length	Order number
 <p>3/8 circle</p>	DS 12 mm	0.7	6/0	75 cm	<i>undyed</i> 14071512
		1	5/0	75 cm	<i>undyed</i> 14101512
		1.5	4/0	75 cm	<i>undyed</i> 14151512
	DS 12 mm Easy Pass	0.7	6/0	50 cm	<i>undyed</i> 14071512P
		1	5/0	50 cm	<i>undyed</i> 14101512P
		1.5	4/0	50 cm	<i>undyed</i> 14151512P
	DS 16 mm	1	5/0	75 cm	<i>undyed</i> 14101516
		1.5	4/0	75 cm	<i>undyed</i> 14151516
		2	3/0	45 cm	<i>undyed</i> 14201516
	DS 16 mm black	1	5/0	75 cm	<i>undyed</i> 14101516VB
	DS 19 mm	1	5/0	75 cm	<i>undyed</i> 14101519
		1.5	4/0	75 cm	<i>undyed</i> 14151519
		2	3/0	75 cm	<i>undyed</i> 14201519
	DS 19 mm Easy Pass	3	2/0	75 cm	<i>undyed</i> 14301519
		1.5	4/0	50 cm	<i>undyed</i> 14151519P
		2	3/0	50 cm	<i>undyed</i> 14201519P
	DS 19 mm black	1.5	4/0	75 cm	<i>undyed</i> 14151519VB
		2	3/0	75 cm	<i>undyed</i> 14201519VB
	DS 24 mm	2	3/0	75 cm	<i>undyed</i> 14201524
		3	2/0	75 cm	<i>undyed</i> 14301524
DS 24 mm Easy Pass	3	2/0	50 cm	<i>undyed</i> 14301524P	
DS 26 mm	2	3/0	75 cm	<i>undyed</i> 14201526	
	3	2/0	75 cm	<i>undyed</i> 14301526	
	3.5	0	75 cm	<i>undyed</i> 14351526	
DS 30 mm	3.5	0	90 cm	<i>undyed</i> 14351530	
DS 36 mm	3	2/0	75 cm	<i>undyed</i> 14301536	
	3.5	0	75 cm	<i>undyed</i> 14351536	

  Reverse cutting Round bodied taper cutting point		Episio Set	Order number	
 <p>3/8 circle</p>	 <p>1/2 circle</p>		1 x USP 2/0 – DS 26 mm – 75 cm 2 x USP 0 – HRT 40 mm – 90 cm	<i>undyed</i> S-1430-1435

 Reverse cutting		Metric	USP	Length	Order number	
<b>1/2 circle</b> 	HS 17 mm 	1.5	4/0	45 cm	<i>undyed</i> 14151417	
		2	3/0	45 cm	<i>undyed</i> 14201417	
	HS 36 mm 	3	2/0	75 cm	<i>undyed</i> 14301436	
		3.5	0	75 cm	<i>undyed</i> 14351436	
		HS 40 mm 	3.5	0	90 cm	<i>undyed</i> 14351440
			4	1	90 cm	<i>undyed</i> 14401440
		5	2	90 cm	<i>undyed</i> 14501440	

 Cutting		Metric	USP	Length	Order number
<b>Straight</b>	GS 60 mm 	2	3/0	75 cm	<i>undyed</i> 14202160

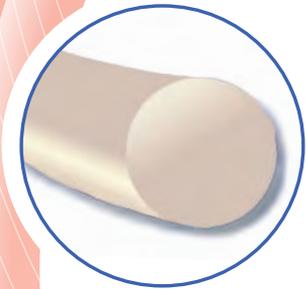
 Round bodied taper cutting point		Metric	USP	Length	Order number
<b>1/2 circle</b> 	HRT 17 mm 	2	3/0	75 cm	<i>undyed</i> 14200517
	HRT 26 mm 	2	3/0	75 cm	<i>undyed</i> 14200526
		3	2/0	75 cm	<i>undyed</i> 14300526
	HRT 36 mm 	3	2/0	90 cm	<i>undyed</i> 14300536
		3.5	0	90 cm	<i>undyed</i> 14350536
		4	1	90 cm	<i>undyed</i> 14400536
		HRT 40 mm 	3	2/0	90 cm
	3.5		0	90 cm	<i>undyed</i> 14350540
		4	1	90 cm	<i>undyed</i> 14400540
	HRT 48 mm 	3.5	0	90 cm	<i>undyed</i> 14350548

 Round bodied taper cutting point		Metric	USP	Length	Order number
<b>3/8 circle</b> 	DRT 16 mm 	1	5/0	75 cm	<i>undyed</i> 14100416
		1.5	4/0	75 cm	<i>undyed</i> 14150416
		2	3/0	75 cm	<i>undyed</i> 14200416
	DRT 19 mm 	1.5	4/0	75 cm	<i>undyed</i> 14150419
		2	3/0	75 cm	<i>undyed</i> 14200419

# SURGICRYL<sup>®</sup>

## MONOFAST

### POLYGLCAPRONE 25



<b>Type</b>	Monofilament
<b>Composition</b>	Polyglecaprone 25, a copolymer made of 75% glycolide and 25% ε-caprolactone
<b>Coating</b>	None
<b>Colour</b>	Violet / Beige - undyed
<b>Tissue reaction</b>	Minimal
<b>Absorption</b>	The hydrolytic action by which the material is broken down results in total absorption in approximately 90 to 120 days. Approximately 60% of tensile strength remain after 7 days.
<b>Presentation</b>	Box with 12 sutures



*For quality  
&  
safety*

The logo for smi, consisting of the lowercase letters 'smi' in a bold, blue, sans-serif font with a white outline.

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# SURGICRYL<sup>®</sup>

## MONOFAST

### POLYGLECAPRONE 25

#### CHARACTERISTICS

- High tensile strength
- Synthetic
- Breaks down by hydrolysis
- Monofilament with microscopic uniform diameter
  
- Pliability and softness
  
- Hermetically sealed packing

#### BENEFITS

- Excellent tissue support
- Minimal tissue reaction
- Predictable absorption rate
- Soft passage through the tissues without sawing, tissue drag and trauma
- Absence of capillarity (no support of bacterial growth)
- Excellent knot tie down
  
- Good handling properties
- Easy and secure knotting
  
- Guaranteed seal and product sterility

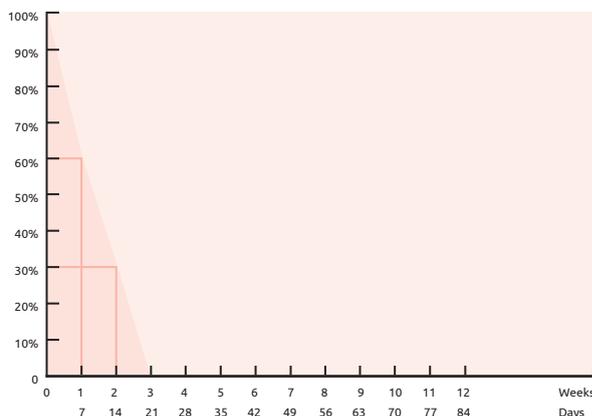
**INDICATIONS** Superficial soft tissue and/or ligation  
 especially in General surgery  
 Skin closure  
 Plastic surgery  
 Gastrointestinal surgery  
 Gynaecology  
 Urology

**CONTRAINDICATIONS** Cardiovascular surgery  
 Neurosurgery  
 Ophthalmic surgery

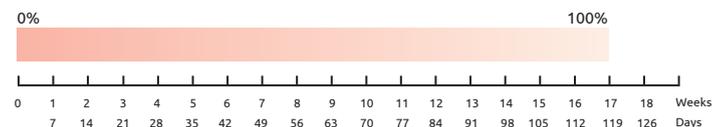
Being absorbable not to use when an extended wound support is required.

Caution in patients with delayed wound healing (e.g. compromised immune system).

#### TENSILE STRENGTH



#### ABSORPTION



 Without needle	Metric	USP	Length		Order number
	3	2/0	150 cm	<i>violet</i>	16300015
	3.5	0	150 cm	<i>violet</i>	16350015
	4	1	150 cm	<i>violet</i>	16400015
	5	2	120 cm	<i>violet</i>	16500012
	5	2	150 cm	<i>violet</i>	16500015

 Without needle	Metric	USP	Length		Order number
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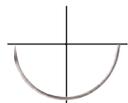
**Ligapack**



5	2	250 cm	<i>violet</i>	16500025
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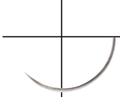
 Round bodied taper point	Metric	USP	Length		Order number
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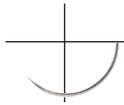
**1/2 circle**

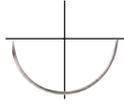


HR 13 mm		0.7	6/0	45 cm	<i>violet</i>	16070113
		1	5/0	45 cm	<i>violet</i>	16100113
		1.5	4/0	75 cm	<i>violet</i>	16150113
HR 17 mm		1	5/0	45 cm	<i>violet</i>	16100117
		1.5	4/0	75 cm	<i>violet</i>	16150117
		2	3/0	75 cm	<i>violet</i>	16200117
HR 22 mm		1.5	4/0	75 cm	<i>violet</i>	16150122
		2	3/0	75 cm	<i>violet</i>	16200122
		3	2/0	75 cm	<i>violet</i>	16300122
HR 26 mm		1.5	4/0	75 cm	<i>violet</i>	16150126
		2	3/0	75 cm	<i>violet</i>	16200126
		3	2/0	75 cm	<i>violet</i>	16300126
		3.5	0	75 cm	<i>violet</i>	16350126
HR 30 mm		4	1	75 cm	<i>violet</i>	16400126
		2	3/0	75 cm	<i>violet</i>	16200130
		3	2/0	75 cm	<i>violet</i>	16300130
		3.5	0	75 cm	<i>violet</i>	16350130
HR 36 mm		4	1	75 cm	<i>violet</i>	16400130
		3	2/0	75 cm	<i>violet</i>	16300136
		3.5	0	90 cm	<i>violet</i>	16350136
HR 40 mm		4	1	90 cm	<i>violet</i>	16400136
		3	2/0	75 cm	<i>violet</i>	16300140
		3.5	0	90 cm	<i>violet</i>	16350140
	4	1	90 cm	<i>violet</i>	16400140	

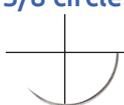
 Round bodied taper point	Metric	USP	Length	Order number	
<b>1/2 circle</b> 	HR 48 mm 	3.5	0	90 cm	<i>violet</i> 16350148
	HR 65 mm 	4	1	90 cm	<i>violet</i> 16400148
	HR 65 mm 	3	2/0	90 cm	<i>violet</i> 16300165

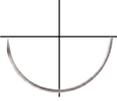
 Reverse cutting	Metric	USP	Length	Order number	
<b>3/8 circle</b> 	DS 12 mm 	0.7	6/0	45 cm	<i>undyed</i> 16071512
		0.7	6/0	75 cm	<i>undyed</i> 16071512-75
		0.7	6/0	75 cm	<i>violet</i> 16071512V
		1	5/0	45 cm	<i>undyed</i> 16101512
		1	5/0	45 cm	<i>violet</i> 16101512V
		DS 12 mm Easy Pass 	0.7	6/0	50 cm
		1	5/0	50 cm	<i>undyed</i> 16101512P
		1.5	4/0	50 cm	<i>undyed</i> 16151512P
	DS 16 mm 	1	5/0	75 cm	<i>undyed</i> 16101516
		1	5/0	75 cm	<i>violet</i> 16101516V
		1.5	4/0	75 cm	<i>undyed</i> 16151516
		1.5	4/0	75 cm	<i>violet</i> 16151516V
		2	3/0	75 cm	<i>undyed</i> 16201516
		DS 16 mm Easy Pass 	1	5/0	50 cm
		1.5	4/0	50 cm	<i>undyed</i> 16151516P
	DS 16 mm black 	1	5/0	75 cm	<i>violet</i> 16101516VB
	DS 19 mm 	1	5/0	45 cm	<i>undyed</i> 16101519
		1	5/0	75 cm	<i>violet</i> 16101519V
1.5		4/0	75 cm	<i>undyed</i> 16151519	
1.5		4/0	75 cm	<i>violet</i> 16151519V	
2		3/0	75 cm	<i>undyed</i> 16201519	
2		3/0	75 cm	<i>violet</i> 16201519V	
3		2/0	75 cm	<i>undyed</i> 16301519	
DS 19 mm Easy Pass 	1.5	4/0	50 cm	<i>undyed</i> 16151519P	
	2	3/0	50 cm	<i>undyed</i> 16201519P	

 Reverse cutting		Metric	USP	Length		Order number
	DS 19 mm black 	1	5/0	75 cm	<i>violet</i>	16101519VB
		1.5	4/0	75 cm	<i>violet</i>	16151519VB
	DS 24 mm 	2	3/0	75 cm	<i>undyed</i>	16201524
		3	2/0	75 cm	<i>undyed</i>	16301524
	DS 24 mm Easy Pass 	2	3/0	75 cm	<i>undyed</i>	16201524P-75
	DS 26 mm 	1.5	4/0	75 cm	<i>undyed</i>	16151526
		2	3/0	75 cm	<i>undyed</i>	16201526
		2	3/0	75 cm	<i>violet</i>	16201526V
		3	2/0	75 cm	<i>undyed</i>	16301526
	DS 30 mm 	3	2/0	75 cm	<i>violet</i>	16301526V
		3	2/0	75 cm	<i>violet</i>	16301526V
	DS 30 mm	3.5	0	75 cm	<i>violet</i>	16351530V
DS 40 mm 	3.5	0	75 cm	<i>undyed</i>	16351540	
	4	1	90 cm	<i>undyed</i>	16401540	

 Reverse cutting		Metric	USP	Length		Order number
	HS 36 mm 	3	2/0	75 cm	<i>undyed</i>	16301436
		3.5	0	75 cm	<i>undyed</i>	16351436
	HS 40 mm 	4	1	90 cm	<i>undyed</i>	16401440

 Cutting		Metric	USP	Length		Order number
	GS 60 mm 	2	3/0	75 cm	<i>undyed</i>	16202160
		3	2/0	75 cm	<i>undyed</i>	16302160

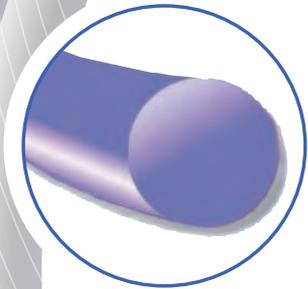
 Round bodied taper cutting point		Metric	USP	Length		Order number
	DRT 16 mm 	1	5/0	75 cm	<i>violet</i>	16100416

 Blunt		Metric	USP	Length		Order number
1/2 circle 	HRB 40 mm		3.5	0	90 cm	<i>violet</i> 16351840
	HRB 48 mm		4	1	90 cm	<i>violet</i> 16401848

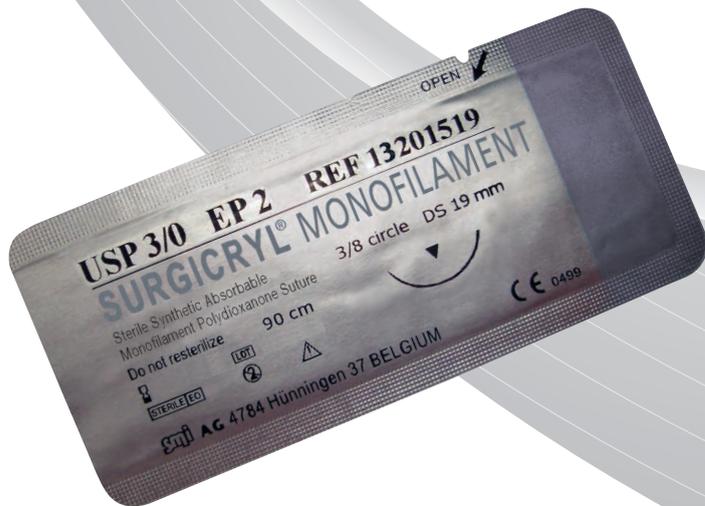
# SURGICRYL<sup>®</sup>

## MONOFILAMENT

### POLYDIOXANONE



<b>Type</b>	Monofilament
<b>Composition</b>	Polydioxanone, a polymer made from polyester poly (p-dioxanone)
<b>Coating</b>	None
<b>Colour</b>	Violet
<b>Tissue reaction</b>	Minimal
<b>Absorption</b>	The hydrolytic action by which the material is broken down results in total absorption in approximately 180 to 210 days. Approximately 50% of tensile strength remain after 42 days.
<b>Presentation</b>	Box with 12 sutures



*For quality  
&  
safety*



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# SURGICRYL<sup>®</sup>

## MONOFILAMENT

### POLYDIOXANONE

#### CHARACTERISTICS

- High and long-lasting tensile strength
- Synthetic
- Breaks down by hydrolysis
- Monofilament with microscopic uniform diameter
- Pliability and softness
- Hermetically sealed packing

#### BENEFITS

- Outstanding strength retention for extended wound support
- Minimal tissue reaction
- Predictable absorption rate
- Soft passage through the tissues without sawing, tissue drag and trauma
- Absence of capillarity (no support of bacterial growth)
- Excellent knot tie down
- Good handling properties
- Easy and secure knotting
- Guaranteed seal and product sterility

**INDICATIONS** General soft tissue closing especially in

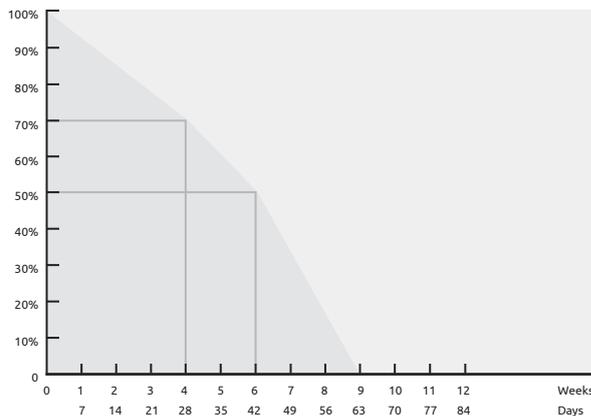
- General surgery
- Gastrointestinal surgery
- Ophthalmic surgery
- Orthopaedics
- Abdominal wall closure
- Gynaecology
- Plastic surgery
- Urology

**CONTRAINDICATIONS** Cardiovascular surgery  
Neurosurgery  
Prosthetic devices

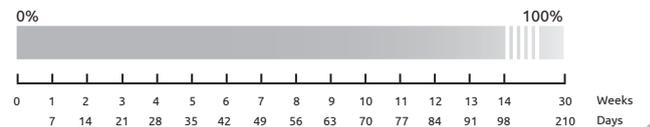
Being absorbable not to use when wound support for more than 6 weeks is required.

Caution in patients with delayed wound healing (e.g. compromised immune system).

#### TENSILE STRENGTH



#### ABSORPTION



 Without needle	Metric	USP	Length	Order number
	5	2	150 cm	<i>violet</i> 13500015
	6	3&4	150 cm	<i>violet</i> 13600015

 Without needle	Metric	USP	Length	Order number
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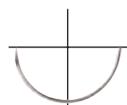
**Ligapack**



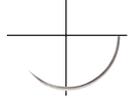
2	3/0	250 cm	<i>violet</i> 13200025
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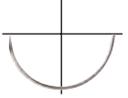
 Round bodied taper point	Metric	USP	Length	Order number
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**1/2 circle**

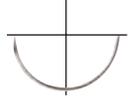


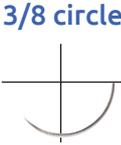
HR 13 mm		0.7	6/0	75 cm	<i>violet</i> 13070113
		1	5/0	75 cm	<i>violet</i> 13100113
HR 17 mm		0.7	6/0	75 cm	<i>violet</i> 13070117
		1	5/0	75 cm	<i>violet</i> 13100117
		1.5	4/0	75 cm	<i>violet</i> 13150117
		2	3/0	75 cm	<i>violet</i> 13200117
HR 22 mm		1.5	4/0	75 cm	<i>violet</i> 13150122
		2	3/0	75 cm	<i>violet</i> 13200122
HR 26 mm		1.5	4/0	75 cm	<i>violet</i> 13150126
		2	3/0	75 cm	<i>violet</i> 13200126
		3	2/0	75 cm	<i>violet</i> 13300126
HR 30 mm		3.5	0	75 cm	<i>violet</i> 13350126
		2	3/0	75 cm	<i>violet</i> 13200130
HR 36 mm		3	2/0	75 cm	<i>violet</i> 13300130
		3.5	0	75 cm	<i>violet</i> 13350130
HR 40 mm		3	2/0	75 cm	<i>violet</i> 13300136
		3.5	0	90 cm	<i>violet</i> 13350136
		4	1	90 cm	<i>violet</i> 13400136
HR 48 mm		3	2/0	75 cm	<i>violet</i> 13300140
		3.5	0	90 cm	<i>violet</i> 13350140
		4	1	90 cm	<i>violet</i> 13400140
HR 48 mm		5	2	90 cm	<i>violet</i> 13500140
		3.5	0	90 cm	<i>violet</i> 13350148
HR 48 mm		4	1	90 cm	<i>violet</i> 13400148
		5	2	90 cm	<i>violet</i> 13500148

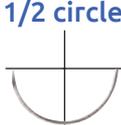
 <b>Round bodied taper point</b>		<b>Metric</b>	<b>USP</b>	<b>Length</b>		<b>Order number</b>
<b>3/8 circle</b> 	DR 13 mm 	1	5/0	75 cm	<i>violet</i>	13100213
		1.5	4/0	75 cm	<i>violet</i>	13150213

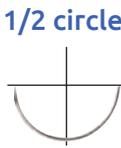
 <b>Round bodied taper point double armed</b>		<b>Metric</b>	<b>USP</b>	<b>Length</b>		<b>Order number</b>
<b>1/2 circle</b> 	2 x HR 13 mm 	1	5/0	75 cm	<i>violet</i>	13100113-2
	2 x HR 17 mm 	1	5/0	90 cm	<i>violet</i>	13100117-2
		1.5	4/0	75 cm	<i>violet</i>	13150117-2

 <b>Round bodied taper point double armed</b>		<b>Metric</b>	<b>USP</b>	<b>Length</b>		<b>Order number</b>
<b>3/8 circle</b> 	2 x DR 13 mm 	0.7	6/0	75 cm	<i>violet</i>	13070213-2

 <b>Round bodied taper point loop</b>		<b>Metric</b>	<b>USP</b>	<b>Length</b>		<b>Order number</b>
	HR 40 mm 	3.5	0	150 cm	<i>violet</i>	13350940
		4	1	150 cm	<i>violet</i>	13400940
<b>1/2 circle</b> 	HR 50 mm 	3.5	0	150 cm	<i>violet</i>	13350950
		4	1	150 cm	<i>violet</i>	13400950
		5	2	150 cm	<i>violet</i>	13500950
	HR 65 mm 	4	1	150 cm	<i>violet</i>	13400965

Reverse cutting		Metric	USP	Length	Order number
 <p>3/8 circle</p>	DS 12 mm	0.7	6/0	45 cm	<i>violet</i> 13071512
		1	5/0	45 cm	<i>violet</i> 13101512
		1.5	4/0	75 cm	<i>violet</i> 13151512
	DS 16 mm	1	5/0	75 cm	<i>violet</i> 13101516
		1.5	4/0	75 cm	<i>violet</i> 13151516
	DS 16 mm Easy Pass	1	5/0	50 cm	<i>violet</i> 13101516P
	DS 16 mm black	1	5/0	75 cm	<i>violet</i> 13101516VB
	DS 19 mm	1	5/0	45 cm	<i>violet</i> 13101519
		1	5/0	75 cm	<i>violet</i> 13101519-75
		1.5	4/0	75 cm	<i>violet</i> 13151519
		1.5	4/0	90 cm	<i>violet</i> 13151519-90
		2	3/0	75 cm	<i>violet</i> 13201519
	DS 19 mm black	1.5	4/0	75 cm	<i>violet</i> 13151519VB
	DS 24 mm	1.5	4/0	75 cm	<i>violet</i> 13151524
		2	3/0	75 cm	<i>violet</i> 13201524
		2	3/0	90 cm	<i>violet</i> 13201524-90
		3	2/0	75 cm	<i>violet</i> 13301524
		3.5	0	75 cm	<i>violet</i> 13351524
DS 26 mm	2	3/0	75 cm	<i>violet</i> 13201526	
	3	2/0	75 cm	<i>violet</i> 13301526	
DS 30 mm	3	2/0	75 cm	<i>violet</i> 13301530	
	3.5	0	75 cm	<i>violet</i> 13351530	
DS 40 mm	4	1	90 cm	<i>violet</i> 13401540	
	5	2	90 cm	<i>violet</i> 13501540	

Reverse cutting		Metric	USP	Length	Order number
 <p>1/2 circle</p>	HS 36 mm	3	2/0	75 cm	<i>violet</i> 13301436
		3.5	0	75 cm	<i>violet</i> 13351436
		4	1	75 cm	<i>violet</i> 13401436

Blunt loop		Metric	USP	Length	Order number
 <p>1/2 circle</p>	HRB 50 mm	4	1	150 cm	<i>violet</i> 13401850

# CATGUT

## PLAIN



<b>Type</b>	Twisted multifilament with a monofilament appearance
<b>Composition</b>	Strands of purified collagen taken from the serosal layer of selected bovines. Origin from BSE-free classified countries.
<b>Coating</b>	None
<b>Colour</b>	Ivory
<b>Tissue reaction</b>	Moderate
<b>Absorption</b>	By phagocytosis. Complete mass absorption in approximately 63 days. Approximately 50% of tensile strength remain after 7 days. When used in infected tissues or in tissues with increased levels of proteolytic enzymes (stomach, cervix, vagina) it is more quickly absorbed.
<b>Presentation</b>	Box with 12 sutures

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safety*

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# CATGUT

PLAIN

## CHARACTERISTICS

- High tensile strength
- Absorption by phagocytosis
- Twisted structure
  
- Uniform diameter by centerless polishing (monofilament appearance)
  
- Hermetically sealed packing

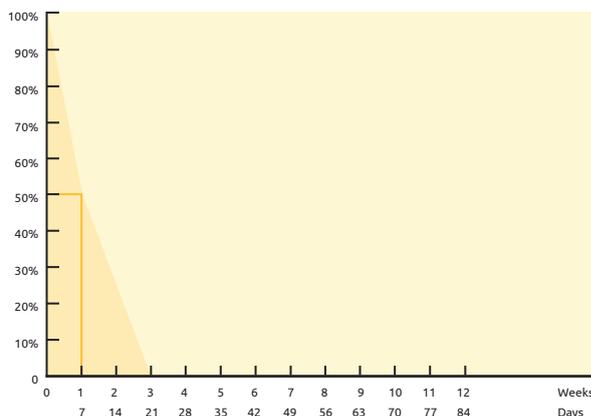
## BENEFITS

- Excellent tissue support
- Uniform absorption
- Excellent handling properties
- High flexibility
- High tensile strength
- Excellent knot security
  
- Soft passage through the tissues without sawing, tissue drag and trauma
- Excellent knot tie down
  
- Guaranteed seal and product sterility

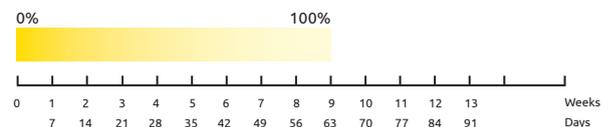
**INDICATIONS** General soft tissue closing and/or ligation especially in General surgery  
Gastrointestinal surgery  
Gynaecology  
Obstetrics  
Urology  
Ophthalmic surgery

**CONTRAINDICATIONS** Cardiovascular surgery  
Neurosurgery  
Being absorbable not to use when an extended wound support is required.  
Caution in patients with delayed wound healing (e.g. compromised immune system).  
In the region of infected wounds  
Known sensitivities or allergies to collagen

## TENSILE STRENGTH



## ABSORPTION



# CATGUT

PLAIN



## Without needle

Metric      USP      Length      Order number

2	4/0	150 cm	<i>ivory</i>	1200015
3	3/0	150 cm	<i>ivory</i>	1300015
3.5	2/0	150 cm	<i>ivory</i>	1350015
4	0	150 cm	<i>ivory</i>	1400015
5	1	150 cm	<i>ivory</i>	1500015
6	2	150 cm	<i>ivory</i>	1600015
7	3	150 cm	<i>ivory</i>	1700015

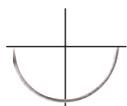


## Round bodied taper point

Metric      USP      Length      Order number

HR 16 mm		1.5	5/0	75 cm	<i>ivory</i>	1150116
		2	4/0	75 cm	<i>ivory</i>	1200116
HR 20 mm		2	4/0	75 cm	<i>ivory</i>	1200120
		3	3/0	75 cm	<i>ivory</i>	1300120
HR 26 mm		3.5	2/0	75 cm	<i>ivory</i>	1350120
		2	4/0	75 cm	<i>ivory</i>	1200126
HR 30 mm		3	3/0	75 cm	<i>ivory</i>	1300126
		3.5	2/0	75 cm	<i>ivory</i>	1350126
		4	0	75 cm	<i>ivory</i>	1400126
HR 37 mm		3	3/0	75 cm	<i>ivory</i>	1300137
		3.5	2/0	75 cm	<i>ivory</i>	1350137
		4	0	75 cm	<i>ivory</i>	1400137
		5	1	75 cm	<i>ivory</i>	1500137
HR 40 mm		5	1	90 cm	<i>ivory</i>	1500140-90
HR 45 mm		4	0	75 cm	<i>ivory</i>	1400145
		5	1	75 cm	<i>ivory</i>	1500145
		6	2	75 cm	<i>ivory</i>	1600145
HR 50 mm		3.5	2/0	75 cm	<i>ivory</i>	1350150

1/2 circle

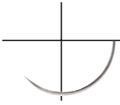


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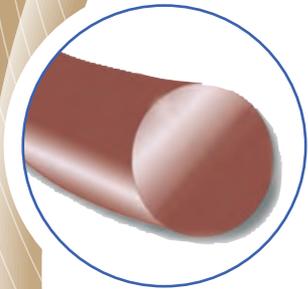
# CATGUT

PLAIN

 Reverse cutting		Metric	USP	Length		Order number	
<b>3/8 circle</b> 	DS 12 mm		1.5	5/0	45 cm	<i>ivory</i>	1151512
			1	6/0	45 cm	<i>ivory</i>	1101516
	DS 16 mm		1.5	5/0	75 cm	<i>ivory</i>	1151516
			2	4/0	75 cm	<i>ivory</i>	1201516
			3	3/0	75 cm	<i>ivory</i>	1301516
	DS 19 mm		2	4/0	75 cm	<i>ivory</i>	1201519
			3	3/0	75 cm	<i>ivory</i>	1301519
			3.5	2/0	75 cm	<i>ivory</i>	1351519
	DS 24 mm		2	4/0	75 cm	<i>ivory</i>	1201524
			3	3/0	75 cm	<i>ivory</i>	1301524
			3.5	2/0	75 cm	<i>ivory</i>	1351524
	DS 37 mm		4	0	75 cm	<i>ivory</i>	1401524
		3.5	2/0	75 cm	<i>ivory</i>	1351537	

# CATGUT

## CHROM



<b>Type</b>	Twisted multifilament with a monofilament appearance
<b>Composition</b>	Strands of purified collagen taken from the serosal layer of selected bovines, tanned with chrome salts. Origin from BSE-free classified countries.
<b>Coating</b>	None
<b>Colour</b>	Dark brown
<b>Tissue reaction</b>	Moderate
<b>Absorption</b>	By phagocytosis. The rate of absorption is slowed down by chromizing. Complete mass absorption in approximately 90 days. Approximately 50% of tensile strength remain after 14 days. When used in infected tissues or in tissues with increased levels of proteolytic enzymes (stomach, cervix, vagina) it is more quickly absorbed.
<b>Presentation</b>	Box with 12 sutures

*For quality  
&  
safety*

**smi**

[www.sutures.be](http://www.sutures.be)

# CATGUT

CHROM

## CHARACTERISTICS

- High tensile strength
- Absorption by phagocytosis
- Twisted structure
  
- Uniform diameter by centerless polishing (monofilament appearance)
  
- Hermetically sealed packing

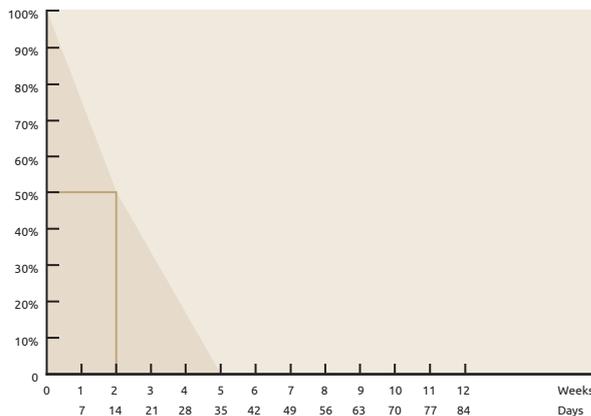
## BENEFITS

- Excellent tissue support
- Uniform absorption
- Excellent handling properties
- High flexibility
- High tensile strength
- Excellent knot security
  
- Soft passage through the tissues without sawing, tissue drag and trauma
- Excellent knot tie down
  
- Guaranteed seal and product sterility

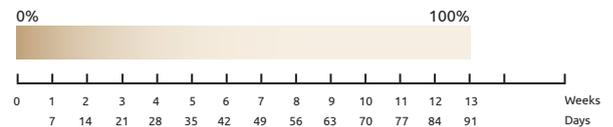
**INDICATIONS** General soft tissue closing and/or ligation especially in  
General surgery  
Gastrointestinal surgery  
Gynaecology  
Obstetrics  
Urology  
Ophthalmic surgery

**CONTRAINDICATIONS** Cardiovascular surgery  
Neurosurgery  
Being absorbable not to use when an extended wound support is required.  
Caution in patients with delayed wound healing (e.g. compromised immune system).  
In the region of infected wounds  
Known sensitivities or allergies to collagen or chromium

## TENSILE STRENGTH



## ABSORPTION



# CATGUT

CHROM



## Without needle

Metric      USP      Length      Order number

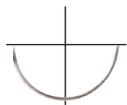
2	4/0	150 cm	<i>brown</i>	2200015
3	3/0	150 cm	<i>brown</i>	2300015
3.5	2/0	150 cm	<i>brown</i>	2350015
4	0	150 cm	<i>brown</i>	2400015
5	1	150 cm	<i>brown</i>	2500015
6	2	150 cm	<i>brown</i>	2600015
7	3	150 cm	<i>brown</i>	2700015
8	4	150 cm	<i>brown</i>	2800015
10	6	150 cm	<i>brown</i>	21000015



## Round bodied taper point

Metric      USP      Length      Order number

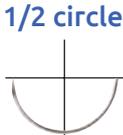
1/2 circle

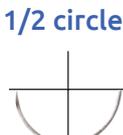


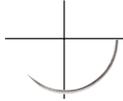
HR 15 mm		1	6/0	75 cm	<i>brown</i>	2100115
		1.5	5/0	75 cm	<i>brown</i>	2150115
		2	4/0	75 cm	<i>brown</i>	2200115
HR 20 mm		1.5	5/0	75 cm	<i>brown</i>	2150120
		2	4/0	75 cm	<i>brown</i>	2200120
		3	3/0	75 cm	<i>brown</i>	2300120
		3.5	2/0	75 cm	<i>brown</i>	2350120
		4	0	75 cm	<i>brown</i>	2400120
HR 26 mm		1.5	5/0	75 cm	<i>brown</i>	2150126
		2	4/0	75 cm	<i>brown</i>	2200126
		3	3/0	75 cm	<i>brown</i>	2300126
		3.5	2/0	75 cm	<i>brown</i>	2350126
		4	0	75 cm	<i>brown</i>	2400126
		5	1	75 cm	<i>brown</i>	2500126
HR 30 mm		2	4/0	75 cm	<i>brown</i>	2200130
		3	3/0	75 cm	<i>brown</i>	2300130
		3.5	2/0	75 cm	<i>brown</i>	2350130
		4	0	75 cm	<i>brown</i>	2400130
		5	1	75 cm	<i>brown</i>	2500130
HR 37 mm		2	4/0	75 cm	<i>brown</i>	2200137
		3	3/0	75 cm	<i>brown</i>	2300137
		3.5	2/0	75 cm	<i>brown</i>	2350137
		4	0	75 cm	<i>brown</i>	2400137
		5	1	75 cm	<i>brown</i>	2500137

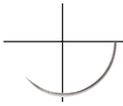
**smi**

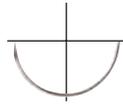
www.sutures.be

 Round bodied taper point	Metric	USP	Length	Order number	
 1/2 circle	 HR 40 mm	3.5	2/0	75 cm	<i>brown</i> 2350140
		4	0	75 cm	<i>brown</i> 2400140
		5	1	75 cm	<i>brown</i> 2500140
		5	1	90 cm	<i>brown</i> 2500140-90
		6	2	75 cm	<i>brown</i> 2600140
	 HR 45 mm	4	0	75 cm	<i>brown</i> 2400145
		6	2	75 cm	<i>brown</i> 2600145
	 HR 48 mm	5	1	75 cm	<i>brown</i> 2500148
	 HR 50 mm	6	2	75 cm	<i>brown</i> 2600150
		6	2	90 cm	<i>brown</i> 2600150-90

 Round bodied taper point reverse cutting double armed	Metric	USP	Length	Order number	
 1/2 circle	 HR 37 mm HS 37 mm	3.5	2/0	150 cm	<i>brown</i> 2350137-1437

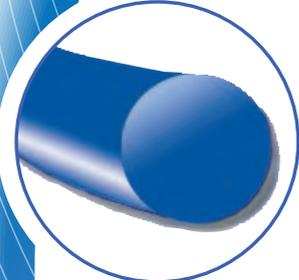
 Blunt	Metric	USP	Length	Order number	
 3/8 circle	 DRB 63 mm	5	1	75 cm	<i>brown</i> 2501963

 Reverse cutting		Metric	USP	Length		Order number
	DS 12 mm 	1	6/0	45 cm	<i>brown</i>	2101512
		1.5	5/0	45 cm	<i>brown</i>	2151512
	DS 16 mm 	1.5	5/0	75 cm	<i>brown</i>	2151516
		2	4/0	75 cm	<i>brown</i>	2201516
	DS 19 mm 	1.5	5/0	75 cm	<i>brown</i>	2151519
		2	4/0	75 cm	<i>brown</i>	2201519
		3	3/0	75 cm	<i>brown</i>	2301519
	DS 24 mm 	3.5	2/0	75 cm	<i>brown</i>	2351519
		2	4/0	75 cm	<i>brown</i>	2201524
		3	3/0	75 cm	<i>brown</i>	2301524
	DS 30 mm 	3.5	2/0	75 cm	<i>brown</i>	2351524
		4	0	75 cm	<i>brown</i>	2401524
		5	1	75 cm	<i>brown</i>	2501524
	DS 37 mm 	3	3/0	75 cm	<i>brown</i>	2301530
		3.5	2/0	75 cm	<i>brown</i>	2351530
		4	0	75 cm	<i>brown</i>	2401530
	DS 40 mm 	5	1	75 cm	<i>brown</i>	2501530
		3	3/0	75 cm	<i>brown</i>	2301537
3.5		2/0	75 cm	<i>brown</i>	2351537	
	DS 37 mm 	4	0	75 cm	<i>brown</i>	2401537
		5	1	75 cm	<i>brown</i>	2501537
		3.5	2/0	75 cm	<i>brown</i>	2351540
	DS 40 mm 	6	2	75 cm	<i>brown</i>	2601540
		7	3	75 cm	<i>brown</i>	2701540

 Reverse cutting		Metric	USP	Length		Order number
	HS 37 mm 	4	0	75 cm	<i>brown</i>	2401437
		5	1	75 cm	<i>brown</i>	2501437

# POLYPROPYLENE

BLUE



<b>Type</b>	Monofilament
<b>Composition</b>	Polypropylene, a polymer of propylene
<b>Coating</b>	None
<b>Colour</b>	Blue
<b>Tissue reaction</b>	Minimal
<b>Absorption</b>	Non absorbable
<b>Presentation</b>	Box with 12 sutures

*For quality  
&  
safety*

**smi**

[www.sutures.be](http://www.sutures.be)

# POLYPROPYLENE

BLUE

## **CHARACTERISTICS**

- ✓ High tensile strength, non absorbable
- ✓ Resistance to repeated bending
- ✓ Synthetic
- ✓ Monofilament with microscopic uniform diameter
- ✓ Pliability and softness
- ✓ Hermetically sealed packing

**INDICATIONS** General soft tissue closing and/or ligation  
especially in Cardiovascular surgery  
Neurosurgery  
Ophthalmic surgery  
Microsurgery  
Plastic surgery  
Skin closure  
Orthopaedics  
Hernias (also as a mesh)  
Gastrointestinal surgery  
General surgery  
Gynaecology  
Obstetrics

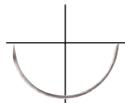
## **BENEFITS**

- Excellent and permanent tissue support
- Use in cardiovascular surgery (heart prosthesis or vascular anastomosis)
- Minimal tissue reaction
- Soft passage through the tissues without sawing, tissue drag and trauma
- Absence of capillarity (no support of bacterial growth)
- Excellent knot tie down
- Good handling properties
- Easy and secure knotting
- Guaranteed seal and product sterility



## Round bodied taper point

1/2 circle



		Metric	USP	Length		Order number
HR 10 mm		0.5	7/0	45 cm	<i>blue</i>	5050110
		0.7	6/0	75 cm	<i>blue</i>	5070110
HR 15 mm		0.7	6/0	75 cm	<i>blue</i>	5070115
		1	5/0	75 cm	<i>blue</i>	5100115
		1.5	4/0	75 cm	<i>blue</i>	5150115
HR 17 mm		1	5/0	75 cm	<i>blue</i>	5100117
		2	3/0	75 cm	<i>blue</i>	5200117
HR 20 mm		1	5/0	75 cm	<i>blue</i>	5100120
		1.5	4/0	75 cm	<i>blue</i>	5150120
		2	3/0	75 cm	<i>blue</i>	5200120
HR 25 mm		3	2/0	75 cm	<i>blue</i>	5300120
		1	5/0	75 cm	<i>blue</i>	5100125
		1.5	4/0	75 cm	<i>blue</i>	5150125
		2	3/0	75 cm	<i>blue</i>	5200125
HR 30 mm		3	2/0	75 cm	<i>blue</i>	5300125
		3.5	0	75 cm	<i>blue</i>	5350125
		4	1	75 cm	<i>blue</i>	5400125
		2	3/0	75 cm	<i>blue</i>	5200130
HR 35 mm		3	2/0	75 cm	<i>blue</i>	5300130
		3.5	0	75 cm	<i>blue</i>	5350130
		4	1	75 cm	<i>blue</i>	5400130
HR 40 mm		3	2/0	75 cm	<i>blue</i>	5300135
		3.5	0	75 cm	<i>blue</i>	5350135
HR 48 mm		4	1	75 cm	<i>blue</i>	5400135
		4	1	90 cm	<i>blue</i>	5400140
		5	2	75 cm	<i>blue</i>	5500140
		3.5	0	75 cm	<i>blue</i>	5350148



## Round bodied taper point

3/8 circle

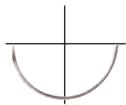


		Metric	USP	Length		Order number
DR 16 mm		1.5	4/0	75 cm	<i>blue</i>	5150216

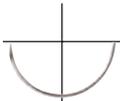


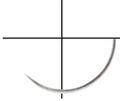
**Round bodied taper point  
double armed**

1/2 circle



		Metric	USP	Length	Color	Order number
2 x HR 8 mm		0.4	8/0	60 cm	blue	5040108-2
		0.5	7/0	60 cm	blue	5050108-2
		0.7	6/0	60 cm	blue	5070108-2
2 x HR 9.3 mm		0.5	7/0	60 cm	blue	5050193-2
		0.7	6/0	60 cm	blue	5070193-2
2 x HR 10 mm		0.5	7/0	60 cm	blue	5050110-2
		0.7	6/0	60 cm	blue	5070110-2
		1	5/0	60 cm	blue	5100110-2
2 x HR 13 mm		0.5	7/0	60 cm	blue	5050113-2
		0.7	6/0	60 cm	blue	5070113-2
		1	5/0	75 cm	blue	5100113-2
2 x HR 16 mm		1	5/0	90 cm	blue	5100116-2
		1.5	4/0	90 cm	blue	5150116-2
		2	3/0	90 cm	blue	5200116-2
2 x HR 20 mm		1	5/0	90 cm	blue	5100120-2
		1.5	4/0	90 cm	blue	5150120-2
		2	3/0	90 cm	blue	5200120-2
2 x HR 25 mm		1.5	4/0	90 cm	blue	5150125-2
		2	3/0	90 cm	blue	5200125-2
		3	2/0	90 cm	blue	5300125-2
2 x HR 30 mm		2	3/0	90 cm	blue	5200130-2
		3	2/0	90 cm	blue	5300130-2
2 x HR 35 mm		3	2/0	90 cm	blue	5300135-2
2 x HR 40 mm		3.5	0	90 cm	blue	5350140-2
		4	1	90 cm	blue	5400140-2

 Round bodied taper point double armed	Metric	USP	Length	Order number	
<b>1/2 circle</b> 	HR 15 mm	2	3/0	90 cm	<i>blue</i> 5200115-30
	HR 30 mm				

 Round bodied taper point double armed	Metric	USP	Length	Order number
2 x DR 8 mm	0.4	8/0	45 cm	<i>blue</i> 5040208-2
	0.5	7/0	60 cm	<i>blue</i> 5050208-2
2 x DR 9.3 mm	0.5	7/0	60 cm	<i>blue</i> 5050293-2
	0.7	6/0	60 cm	<i>blue</i> 5070293-2
2 x DR 10 mm	0.7	6/0	60 cm	<i>blue</i> 5070210-2
2 x DR 13 mm	0.5	7/0	60 cm	<i>blue</i> 5050213-2
	1	5/0	60 cm	<i>blue</i> 5100213-2
	0.7	6/0	60 cm	<i>blue</i> 5070213-2
2 x DR 18 mm	1	5/0	90 cm	<i>blue</i> 5100218-2
	1.5	4/0	90 cm	<i>blue</i> 5150218-2
<b>3/8 circle</b> 	1.5	4/0	90 cm	<i>blue</i> 5150222-2
	2	3/0	90 cm	<i>blue</i> 5200222-2
2 x DR 25 mm	2	3/0	90 cm	<i>blue</i> 5200225-2
	1	5/0	90 cm	<i>blue</i> 5100226-2
2 x DR 26 mm	1.5	4/0	90 cm	<i>blue</i> 5150226-2
	3	2/0	90 cm	<i>blue</i> 5300230-2



**Reverse cutting**

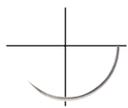
**Metric**

**USP**

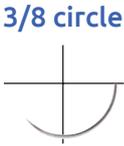
**Length**

**Order number**

3/8 circle

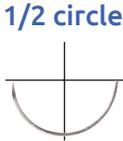


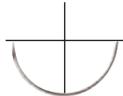
DS 10 mm		0.7	6/0	45 cm	blue	5071510
DS 12 mm		0.5	7/0	45 cm	blue	5051512
		0.7	6/0	45 cm	blue	5071512
		1	5/0	45 cm	blue	5101512
		1.5	4/0	75 cm	blue	5151512
DS 12 mm Easy Pass		0.7	6/0	50 cm	blue	5071512P
		1	5/0	50 cm	blue	5101512P
DS 16 mm		0.7	6/0	45 cm	blue	5071516
		1	5/0	45 cm	blue	5101516
		1.5	4/0	45 cm	blue	5151516-45
		1.5	4/0	75 cm	blue	5151516
DS 16 mm Easy Pass		2	3/0	75 cm	blue	5201516
		0.7	6/0	50 cm	blue	5071516P
		1	5/0	50 cm	blue	5101516P
DS 16 mm black		1.5	4/0	50 cm	blue	5151516P
		1	5/0	45 cm	blue	5101516VB
		0.7	6/0	75 cm	blue	5071519
DS 19 mm		1	5/0	45 cm	blue	5101519-45
		1	5/0	75 cm	blue	5101519
		1.5	4/0	45 cm	blue	5151519-45
		1.5	4/0	75 cm	blue	5151519
		2	3/0	45 cm	blue	5201519-45
		2	3/0	75 cm	blue	5201519
		3	2/0	75 cm	blue	5301519
		3.5	0	75 cm	blue	5351519
DS 19 mm Easy Pass		1	5/0	50 cm	blue	5101519P
		1.5	4/0	50 cm	blue	5151519P
		2	3/0	50 cm	blue	5201519P
DS 19 mm black		1	5/0	75 cm	blue	5101519VB
		1.5	4/0	75 cm	blue	5151519VB
DS 24 mm		1.5	4/0	75 cm	blue	5151524
		2	3/0	45 cm	blue	5201524-45
		2	3/0	75 cm	blue	5201524
		3	2/0	45 cm	blue	5301524-45
		3	2/0	75 cm	blue	5301524
		3.5	0	75 cm	blue	5351524
		4	1	75 cm	blue	5401524

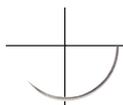
Reverse cutting		Metric	USP	Length	Order number
 <p>3/8 circle</p>	DS 24 mm Easy Pass 	1.5	4/0	50 cm	<i>blue</i> 5151524P
		2	3/0	50 cm	<i>blue</i> 5201524P
		3	2/0	50 cm	<i>blue</i> 5301524P
	DS 26 mm 	2	3/0	45 cm	<i>blue</i> 5201526-45
		2	3/0	75 cm	<i>blue</i> 5201526
		3	2/0	45 cm	<i>blue</i> 5301526-45
	DS 30 mm 	3	2/0	75 cm	<i>blue</i> 5301530
		3.5	0	75 cm	<i>blue</i> 5351530
		4	1	75 cm	<i>blue</i> 5401530
	DS 36 mm 	2	3/0	75 cm	<i>blue</i> 5201536
		3	2/0	75 cm	<i>blue</i> 5301536
		3.5	0	75 cm	<i>blue</i> 5351536
DS 40 mm 	4	1	75 cm	<i>blue</i> 5401536	
	3	2/0	75 cm	<i>blue</i> 5301540	
	3.5	0	75 cm	<i>blue</i> 5351540	
DS 45 mm 	4	1	90 cm	<i>blue</i> 5401540	
	5	2	90 cm	<i>blue</i> 5501540	
DS 90 mm 	4	1	90 cm	<i>blue</i> 5401545	
DS 90 mm 	4	1	90 cm	<i>blue</i> 5401590	

Reverse cutting		Metric	USP	Length	Order number
 <p>1/2 circle</p>	HS 22 mm 	2	3/0	45 cm	<i>blue</i> 5201422
	HS 24 mm 	3	2/0	75 cm	<i>blue</i> 5301424
	HS 40 mm 	3.5	0	75 cm	<i>blue</i> 5351440

Cutting		Metric	USP	Length	Order number
 <p>Straight</p>	GS 60 mm 	2	3/0	75 cm	<i>blue</i> 5202160
	GS 75 mm 	3	2/0	75 cm	<i>blue</i> 5302160
	GS 75 mm 	3	2/0	75 cm	<i>blue</i> 5302175

 Round bodied taper cutting point double armed		Metric	USP	Length	Order number
	2 x HRT 16 mm 	1	5/0	75 cm	<i>blue</i> 5100516-2
		1.5	4/0	90 cm	<i>blue</i> 5150516-2
	2 x HRT 22 mm 	1.5	4/0	90 cm	<i>blue</i> 5150522-2
		2 x HRT 25 mm 	1.5	4/0	90 cm
	2		3/0	90 cm	<i>blue</i> 5200525-2
	3		2/0	90 cm	<i>blue</i> 5300525-2
	2 x HRT 30 mm 	2	3/0	90 cm	<i>blue</i> 5200530-2
		3	2/0	90 cm	<i>blue</i> 5300530-2

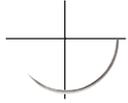
 Round bodied taper cutting point		Metric	USP	Length	Order number
	HRT 10 mm 	0.7	6/0	75 cm	<i>blue</i> 5070510
	HRT 25 mm 	3	2/0	75 cm	<i>blue</i> 5300525

 Soft cutting point coronary double armed		Metric	USP	Length	Order number	
	2 x CC 6.4 mm 	0.4	8/0	60 cm	<i>blue</i> 5042606-2	
		0.4	8/0	60 cm	<i>blue</i> 5042608-2	
	2 x CC 8 mm 	0.5	7/0	75 cm	<i>blue</i> 5052608-2	
		0.7	6/0	75 cm	<i>blue</i> 5072608-2	
	2 x CC 9.3 mm 	0.5	7/0	60 cm	<i>blue</i> 5052693-2	
		0.7	6/0	60 cm	<i>blue</i> 5072693-2	
	2 x CC 10 m 	0.5	7/0	75 cm	<i>blue</i> 5052610-2	
		0.7	6/0	75 cm	<i>blue</i> 5072610-2	
	2 x CC 13 mm 	0.5	7/0	75 cm	<i>blue</i> 5052613-2	
		0.7	6/0	75 cm	<i>blue</i> 5072613-2	
			1	5/0	75 cm	<i>blue</i> 5102613-2



Soft cutting point coronary  
black double armed

3/8 circle

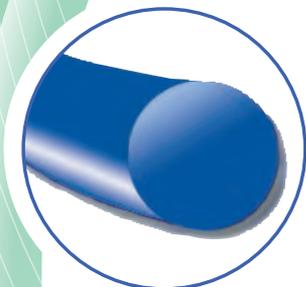


		Metric	USP	Length		Order number	
2 x CC 8 mm black		0.4	8/0	60 cm	<i>blue</i>	5042608-2VB	
		0.5	7/0	75 cm	<i>blue</i>	5052608-2VB	
		0.7	6/0	75 cm	<i>blue</i>	5072608-2VB	
	2 x CC 9 mm black		0.4	8/0	60 cm	<i>blue</i>	5042609-2VB
			0.5	7/0	60 cm	<i>blue</i>	5052609-2VB
		2 x CC 13 mm black		0.7	6/0	75 cm	<i>blue</i>
		1	5/0	75 cm	<i>blue</i>	5102613-2VB	

# DACLON

## NYLON

DACLON  
NYLON



<b>Type</b>	Monofilament
<b>Composition</b>	Extrusion of polyamide 6.0 or 6.6
<b>Coating</b>	None
<b>Colour</b>	Blue Black
<b>Tissue reaction</b>	Minimal
<b>Absorption</b>	Non absorbable, gradually encapsulated by connective tissue. The thread mass diminishes, approximately 10% a year by rupture of chemical links (hydrolytic action).
<b>Presentation</b>	Box with 12 sutures

*For quality  
&  
safety*

**smi**

[www.sutures.be](http://www.sutures.be)

# DACLON

## NYLON

### **CHARACTERISTICS**

- ✓ High tensile strength, non absorbable
- ✓ Synthetic
- ✓ Monofilament with microscopic uniform diameter
- ✓ Pliability and softness
- ✓ Hermetically sealed packing

### **BENEFITS**

- Excellent and permanent tissue support
- Minimal tissue reaction
- Soft passage through the tissues without sawing, tissue drag and trauma
- Absence of capillarity (no support of bacterial growth)
- Excellent knot tie down
- Good handling properties
- Easy and secure knotting
- Guaranteed seal and product sterility

**INDICATIONS**    General soft tissue closing and/or ligation

**Daclon Blue**  
 especially in    Skin closure  
                       General surgery  
                       Plastic surgery  
                       Gastrointestinal surgery  
                       Gynaecology  
                       Obstetrics  
                       Orthopaedics

**Daclon Black**  
 especially in    Plastic surgery  
                       Ophthalmic surgery



## Round bodied taper point

		Metric	USP	Length		Order number
HR 16 mm		1	5/0	75 cm	<i>black</i>	9100116
		1.5	4/0	75 cm	<i>blue</i>	9150116
HR 20 mm		0.7	6/0	75 cm	<i>black</i>	9070120
		1	5/0	75 cm	<i>black</i>	9100120
		1.5	4/0	75 cm	<i>blue</i>	9150120
		2	3/0	75 cm	<i>blue</i>	9200120
		3	2/0	75 cm	<i>blue</i>	9300120
HR 26 mm		1.5	4/0	75 cm	<i>blue</i>	9150126
		2	3/0	75 cm	<i>blue</i>	9200126
		3	2/0	75 cm	<i>blue</i>	9300126
		3.5	0	75 cm	<i>blue</i>	9350126
		4	1	75 cm	<i>blue</i>	9400126
HR 30 mm		3	2/0	75 cm	<i>blue</i>	9300130
		3.5	0	75 cm	<i>blue</i>	9350130
HR 37 mm		4	1	75 cm	<i>blue</i>	9400130
		3	2/0	75 cm	<i>blue</i>	9300137
HR 40 mm		3.5	0	75 cm	<i>blue</i>	9350137
		4	1	75 cm	<i>blue</i>	9400137
HR 50 mm		3	2/0	75 cm	<i>blue</i>	9300140
		3.5	0	75 cm	<i>blue</i>	9350140
		4	1	75 cm	<i>blue</i>	9400140
		5	2	75 cm	<i>blue</i>	9500140
HR 50 mm		4	1	100 cm	<i>blue</i>	9400150

1/2 circle





## Round bodied taper point loop

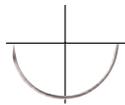
Metric

USP

Length

Order number

1/2 circle



HR 30 mm



3.5

0

150 cm

*blue*

9350930

4

1

150 cm

*blue*

9400930

HR 35 mm



3.5

0

150 cm

*blue*

9350935

4

1

150 cm

*blue*

9400935

HR 40 mm



3.5

0

150 cm

*blue*

9350940

4

1

150 cm

*blue*

9400940

HR 50 mm



3.5

0

150 cm

*blue*

9350950

4

1

150 cm

*blue*

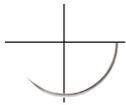
9400950



## Reverse cutting

		Metric	USP	Length		Order number
DS 12 mm		0.5	7/0	75 cm	<i>black</i>	9051512
		0.7	6/0	75 cm	<i>black</i>	9071512
		1	5/0	75 cm	<i>black</i>	9101512
		1.5	4/0	75 cm	<i>blue</i>	9151512
DS 12 mm Easy Pass		0.7	6/0	50 cm	<i>black</i>	9071512P
		1	5/0	50 cm	<i>black</i>	9101512P
		1.5	4/0	50 cm	<i>blue</i>	9151512P
DS 16 mm		0.7	6/0	45 cm	<i>black</i>	9071516-45
		0.7	6/0	75 cm	<i>black</i>	9071516
		1	5/0	45 cm	<i>black</i>	9101516-45
		1	5/0	75 cm	<i>black</i>	9101516
		1.5	4/0	45 cm	<i>blue</i>	9151516-45
		1.5	4/0	75 cm	<i>blue</i>	9151516
DS 16 mm Easy Pass		0.7	6/0	50 cm	<i>black</i>	9071516P
		1	5/0	50 cm	<i>black</i>	9101516P
		1.5	4/0	50 cm	<i>blue</i>	9151516P
DS 16 mm black		1	5/0	75 cm	<i>black</i>	9101516VB
DS 19 mm		1	5/0	45 cm	<i>black</i>	9101519-45
		1	5/0	75 cm	<i>black</i>	9101519
		1.5	4/0	45 cm	<i>blue</i>	9151519-45
		1.5	4/0	75 cm	<i>blue</i>	9151519
		1.5	4/0	90 cm	<i>blue</i>	9151519-90
		2	3/0	45 cm	<i>blue</i>	9201519-45
		2	3/0	75 cm	<i>blue</i>	9201519
		2	3/0	90 cm	<i>blue</i>	9201519-90
DS 19 mm Easy Pass		1.5	4/0	50 cm	<i>blue</i>	9151519P
		2	3/0	50 cm	<i>blue</i>	9201519P
		3	2/0	50 cm	<i>blue</i>	9301519P
DS 19 mm black		1	5/0	75 cm	<i>black</i>	9101519VB
		1.5	4/0	75 cm	<i>blue</i>	9151519VB

3/8 circle

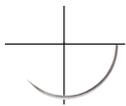


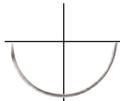


## Reverse cutting

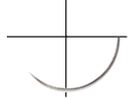
		Metric	USP	Length		Order number
DS 24 mm		1	5/0	75 cm	<i>black</i>	9101524
		1.5	4/0	45 cm	<i>blue</i>	9151524-45
		1.5	4/0	75 cm	<i>blue</i>	9151524
		2	3/0	45 cm	<i>blue</i>	9201524-45
		2	3/0	75 cm	<i>blue</i>	9201524
		3	2/0	45 cm	<i>blue</i>	9301524-45
		3	2/0	75 cm	<i>blue</i>	9301524
		3.5	0	75 cm	<i>blue</i>	9351524
		4	1	75 cm	<i>blue</i>	9401524
		5	2	90 cm	<i>blue</i>	9501524
DS 24 mm Easy Pass		3	2/0	50 cm	<i>blue</i>	9301524P
DS 26 mm		2	3/0	45 cm	<i>blue</i>	9201526-45
		2	3/0	75 cm	<i>blue</i>	9201526
		3	2/0	45 cm	<i>blue</i>	9301526-45
		3	2/0	75 cm	<i>blue</i>	9301526
DS 30 mm		1.5	4/0	75 cm	<i>blue</i>	9151530
		2	3/0	75 cm	<i>blue</i>	9201530
		3	2/0	75 cm	<i>blue</i>	9301530
		3.5	0	75 cm	<i>blue</i>	9351530
		4	1	75 cm	<i>blue</i>	9401530
DS 36 mm		2	3/0	75 cm	<i>blue</i>	9201536
		3	2/0	75 cm	<i>blue</i>	9301536
		3.5	0	75 cm	<i>blue</i>	9351536
		4	1	90 cm	<i>blue</i>	9401536-90
DS 40 mm		3	2/0	75 cm	<i>blue</i>	9301540
		3.5	0	75 cm	<i>blue</i>	9351540
		4	1	75 cm	<i>blue</i>	9401540
DS 45 mm		5	2	90 cm	<i>blue</i>	9501540
		3	2/0	100 cm	<i>blue</i>	9301545
DS 45 mm		4	1	75 cm	<i>blue</i>	9401545
		3	2/0	75 cm	<i>blue</i>	9301560
DS 60 mm		3	2/0	75 cm	<i>blue</i>	9301560
DS 90 mm		3	2/0	100 cm	<i>blue</i>	9301590
		3.5	0	100 cm	<i>blue</i>	9351590
		4	1	100 cm	<i>blue</i>	9401590

3/8 circle



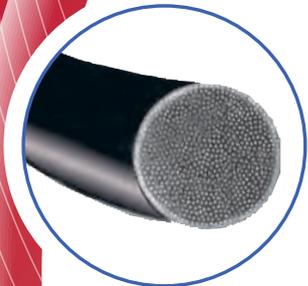
 Reverse cutting		Metric	USP	Length	Order number
<b>1/2 circle</b> 	HS 17 mm 	1.5	4/0	75 cm	<i>blue</i> 9151417
		2	3/0	75 cm	<i>blue</i> 9201417
	HS 22 mm 	2	3/0	75 cm	<i>blue</i> 9201422
		HS 26 mm 	2	3/0	75 cm
	3		2/0	75 cm	<i>blue</i> 9301426
	HS 30 mm 	3	2/0	90 cm	<i>blue</i> 9301430
		3.5	0	75 cm	<i>blue</i> 9351430
	HS 36 mm 	3.5	0	75 cm	<i>blue</i> 9351436
		4	1	75 cm	<i>blue</i> 9401436
		5	2	75 cm	<i>blue</i> 9501436
HS 40 mm 	3.5	0	75 cm	<i>blue</i> 9351440	
	4	1	75 cm	<i>blue</i> 9401440	
HS 48 mm 	4	1	100 cm	<i>blue</i> 9401448	

 Cutting		Metric	USP	Length	Order number
<b>Straight</b>	GS 60 mm 	2	3/0	75 cm	<i>blue</i> 9202160
		3	2/0	75 cm	<i>blue</i> 9302160

 Cutting		Metric	USP	Length	Order number
<b>3/8 circle</b> 	NS 26 mm 	2	3/0	75 cm	<i>blue</i> 9201726
	NS 30 mm 	3	2/0	75 cm	<i>blue</i> 9301730
	NS 40 mm 	3	2/0	75 cm	<i>blue</i> 9301740

# SUPRAMID

BLACK



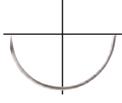
<b>Type</b>	Twisted and coated multifilament Sizes 5/0 and 6/0 monofilament
<b>Composition</b>	Polyamide 6.6 strands enclosed in a polyamide 6 sheet
<b>Colour</b>	Black
<b>Tissue reaction</b>	Minimal
<b>Absorption</b>	Non absorbable, gradually encapsulated by connective tissue
<b>Presentation</b>	Box with 12 sutures

*For quality  
&  
safety*

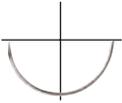
**smi**

[www.sutures.be](http://www.sutures.be)

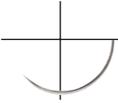


 Round bodied taper point		Metric	USP	Length	Order number	
<b>1/2 circle</b> 	HR 16 mm		1.5	4/0	75 cm	<i>black</i> 4150116
			2	3/0	75 cm	<i>black</i> 4200116
	HR 20 mm		2	3/0	45 cm	<i>black</i> 4200120
	HR 26 mm		3	2/0	75 cm	<i>black</i> 4300126

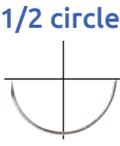
 Round bodied taper point		Metric	USP	Length	Order number	
<b>Straight</b> 	GR 22 mm		1.5	4/0	50 cm	<i>black</i> 4152022

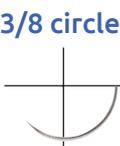
 Reverse cutting		Metric	USP	Length	Order number	
<b>1/2 circle</b> 	HS 17 mm		1.5	4/0	75 cm	<i>black</i> 4151417
			2	3/0	75 cm	<i>black</i> 4201417
	HS 20 mm		1	5/0	75 cm	<i>black</i> 4101420
			1.5	4/0	75 cm	<i>black</i> 4151420
			2	3/0	75 cm	<i>black</i> 4201420
	HS 22 mm		1.5	4/0	75 cm	<i>black</i> 4151422
			2	3/0	75 cm	<i>black</i> 4201422
	HS 26 mm		2	3/0	75 cm	<i>black</i> 4201426
			3	2/0	75 cm	<i>black</i> 4301426

 Cutting		Metric	USP	Length	Order number	
<b>Straight</b> 	GS 20 mm		1.5	4/0	50 cm	<i>black</i> 4152120
	GS 25 mm		1.5	4/0	60 cm	<i>black</i> 4152125

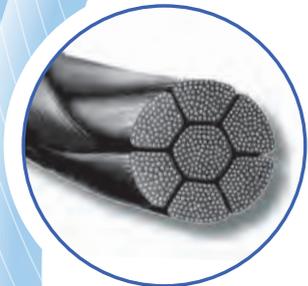
 Reverse cutting		Metric	USP	Length	Order number	
<b>3/8 circle</b> 	DS 12 mm		0.7	6/0	75 cm	<i>black</i> 4071512
			1	5/0	45 cm	<i>black</i> 4101512-45
			1	5/0	75 cm	<i>black</i> 4101512
			1.5	4/0	45 cm	<i>black</i> 4151512

 Reverse cutting		Metric	USP	Length	Order number
	DS 16 mm 	0.7	6/0	75 cm	<i>black</i> 4071516
		1	5/0	45 cm	<i>black</i> 4101516-45
		1	5/0	75 cm	<i>black</i> 4101516
		1.5	4/0	45 cm	<i>black</i> 4151516
		1.5	4/0	75 cm	<i>black</i> 4151516-75
		2	3/0	45 cm	<i>black</i> 4201516
		2	3/0	75 cm	<i>black</i> 4201516-75
	DS 16 mm black 	1	5/0	75 cm	<i>black</i> 4101516VB
	DS 19 mm 	0.7	6/0	75 cm	<i>black</i> 4071519
		1	5/0	75 cm	<i>black</i> 4101519
		1.5	4/0	45 cm	<i>black</i> 4151519
		1.5	4/0	75 cm	<i>black</i> 4151519-75
		2	3/0	75 cm	<i>black</i> 4201519
	DS 19 mm Easy Pass 	3	2/0	75 cm	<i>black</i> 4301519
1.5		4/0	75 cm	<i>black</i> 4151519P-75	
DS 19 mm black 	1	5/0	75 cm	<i>black</i> 4101519VB	
	1.5	4/0	75 cm	<i>black</i> 4151519VB	
DS 24 mm 	2	3/0	75 cm	<i>black</i> 4201524	
	3	2/0	75 cm	<i>black</i> 4301524	
	3.5	0	75 cm	<i>black</i> 4351524	
DS 36 mm 	3	2/0	75 cm	<i>black</i> 4301536	
	3.5	0	75 cm	<i>black</i> 4351536	
		4	1	75 cm	<i>black</i> 4401536

 Round bodied taper cutting point		Metric	USP	Length	Order number
	HRT 18 mm 	1.5	4/0	75 cm	<i>black</i> 4150518
		2	3/0	75 cm	<i>black</i> 4200518

 Round bodied taper cutting point		Metric	USP	Length	Order number
	DRT 18 mm 	1.5	4/0	75 cm	<i>black</i> 4150418
		2	3/0	75 cm	<i>black</i> 4200418

# SILK



<b>Type</b>	Braided multifilament
<b>Composition</b>	Braided fibres from the cocoon of the silkworm
<b>Coating</b>	Waxes Silicone
<b>Colour</b>	Black
<b>Tissue reaction</b>	Moderate
<b>Absorption</b>	Silk suture elicits an initial inflammatory reaction in tissues, which is followed by gradual encapsulation of the suture by fibrous connective tissues.
<b>Presentation</b>	Box with 12 sutures

*For quality  
&  
safety*

**smi**

[www.sutures.be](http://www.sutures.be)

# SILK

## **CHARACTERISTICS**

- ✓ High tensile strength, non absorbable
- ✓ Braided or twisted structure
  
- ✓ Coated multifilament
  
- ✓ Hermetically sealed packing

## **BENEFITS**

- Good and extended tissue support for up to 3 month
  
- Excellent handling properties  
High flexibility  
High tensile strength  
Excellent knot security
  
- Soft passage through the tissues with minimal sawing,  
tissue drag and trauma  
Good knot tie down / adjustability  
Reduced capillary action
  
- Guaranteed seal and product sterility

**INDICATIONS** General soft tissue closing  
and/or ligation  
especially in General surgery  
Skin closure  
Ophthalmic surgery  
Oral surgery  
Gastrointestinal surgery  
Gynaecology  
Obstetrics

**CONTRAINDICATIONS** Urinary tract  
Biliary tract  
  
Known allergies or sensitivities to silk

○ Without needle

Metric	USP	Length		Order number
2	3/0	150 cm	<i>black</i>	8200015
3	2/0	150 cm	<i>black</i>	8300015
3.5	0	150 cm	<i>black</i>	8350015
4	1	150 cm	<i>black</i>	8400015
5	2	150 cm	<i>black</i>	8500015
6	3&4	150 cm	<i>black</i>	8600015
8	6	150 cm	<i>black</i>	8800015
2	3/0	6 x 45 cm	<i>black</i>	8200044
3	2/0	6 x 45 cm	<i>black</i>	8300044
3.5	0	6 x 45 cm	<i>black</i>	8350044
4	1	6 x 45 cm	<i>black</i>	8400044
5	2	6 x 45 cm	<i>black</i>	8500044
1.5	4/0	17 x 45 cm	<i>black</i>	8150046
2	3/0	17 x 45 cm	<i>black</i>	8200046
3	2/0	17 x 45 cm	<i>black</i>	8300046
3.5	0	17 x 45 cm	<i>black</i>	8350046
4	1	17 x 45 cm	<i>black</i>	8400046
1.5	4/0	13 x 60 cm	<i>black</i>	8150060
2	3/0	13 x 60 cm	<i>black</i>	8200060
3	2/0	13 x 60 cm	<i>black</i>	8300060
3.5	0	13 x 60 cm	<i>black</i>	8350060
4	1	13 x 60 cm	<i>black</i>	8400060
1.5	4/0	12 x 75 cm	<i>black</i>	8150075
2	3/0	12 x 75 cm	<i>black</i>	8200075
3	2/0	12 x 75 cm	<i>black</i>	8300075
3.5	0	12 x 75 cm	<i>black</i>	8350075
4	1	12 x 75 cm	<i>black</i>	8400075
5	2	12 x 75 cm	<i>black</i>	8500075

○ Without needle

Ligapack

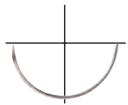


Metric	USP	Length		Order number
2	3/0	250 cm	<i>black</i>	8200025
3	2/0	250 cm	<i>black</i>	8300025
3.5	0	250 cm	<i>black</i>	8350025
4	1	250 cm	<i>black</i>	8400025
5	2	250 cm	<i>black</i>	8500025
6	3&4	250 cm	<i>black</i>	8600025

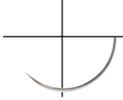


## Round bodied taper point

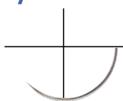
1/2 circle

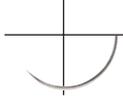


		Metric	USP	Length	Color	Order number
HR 12 mm		0.7	6/0	45 cm	black	8070112
		1	5/0	45 cm	black	8100112
		1.5	4/0	75 cm	black	8150112
HR 16 mm		0.7	6/0	45 cm	black	8070116
		1	5/0	75 cm	black	8100116
		1.5	4/0	75 cm	black	8150116
HR 20 mm		2	3/0	75 cm	black	8200116
		1	5/0	75 cm	black	8100120
		1.5	4/0	75 cm	black	8150120
HR 26 mm		2	3/0	75 cm	black	8200120
		3	2/0	75 cm	black	8300120
		3.5	0	75 cm	black	8350120
		1	5/0	75 cm	black	8100126
		1.5	4/0	75 cm	black	8150126
HR 30 mm		2	3/0	75 cm	black	8200126
		3	2/0	75 cm	black	8300126
		3.5	0	75 cm	black	8350126
		4	1	75 cm	black	8400126
		2	3/0	75 cm	black	8200130
HR 37 mm		3	2/0	75 cm	black	8300130
		3.5	0	75 cm	black	8350130
		4	1	75 cm	black	8400130
HR 40 mm		5	2	75 cm	black	8500130
		2	3/0	75 cm	black	8200137
		3	2/0	75 cm	black	8300137
HR 45 mm		3.5	0	75 cm	black	8350137
		4	1	75 cm	black	8400137
		5	2	75 cm	black	8500137
HR 55 mm		3.5	0	75 cm	black	8350140
		4	1	75 cm	black	8400140
		5	2	75 cm	black	8500140
HR 65 mm		4	1	75 cm	black	8400145
		5	2	75 cm	black	8500145
		6	3&4	75 cm	black	8600145

 Round bodied taper point	Metric	USP	Length	Order number	
<b>3/8 circle</b> 	DR 12 mm 	1	5/0	45 cm	<i>black</i> 8100212
	DR 16 mm 	1	5/0	75 cm	<i>black</i> 8100216
		1.5	4/0	75 cm	<i>black</i> 8150216
	DR 25 mm 	2	3/0	75 cm	<i>black</i> 8200216
		2	3/0	75 cm	<i>black</i> 8200225
DR 30 mm 	3	2/0	75 cm	<i>black</i> 8300225	
		3	2/0	75 cm	<i>black</i> 8300230

 Round bodied taper point	Metric	USP	Length	Order number	
<b>Straight</b>	GR 40 mm 	3	2/0	75 cm	<i>black</i> 8302040

 Reverse cutting double armed	Metric	USP	Length	Order number	
<b>3/8 circle</b> 	2 x DS 12 mm 	0.5	7/0	45 cm	<i>black</i> 8051512-2
		0.7	6/0	45 cm	<i>black</i> 8071512-2

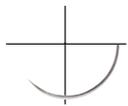
 Reverse cutting	Metric	USP	Length	Order number	
<b>3/8 circle</b> 	DS 12 mm 	0.5	7/0	45 cm	<i>black</i> 8051512
		0.7	6/0	45 cm	<i>black</i> 8071512
		1	5/0	45 cm	<i>black</i> 8101512
		1.5	4/0	75 cm	<i>black</i> 8151512
		2	3/0	75 cm	<i>black</i> 8201512
		DS 12 mm Easy Pass 	0.7	6/0	50 cm
	DS 16 mm 	0.7	6/0	75 cm	<i>black</i> 8071516
		1	5/0	75 cm	<i>black</i> 8101516
		1.5	4/0	75 cm	<i>black</i> 8151516
		2	3/0	75 cm	<i>black</i> 8201516
		3	2/0	75 cm	<i>black</i> 8301516



## Reverse cutting

		Metric	USP	Length	Color	Order number
DS 16 mm Easy Pass		1	5/0	50 cm	black	8101516P
		1.5	4/0	50 cm	black	8151516P
DS 16 mm black		1	5/0	75 cm	black	8101516VB
		1.5	4/0	75 cm	black	8151516VB
DS 19 mm		0.7	6/0	75 cm	black	8071519
		1	5/0	75 cm	black	8101519
		1.5	4/0	75 cm	black	8151519
		2	3/0	45 cm	black	8201519-45
		2	3/0	75 cm	black	8201519
		3	2/0	75 cm	black	8301519
		3.5	0	75 cm	black	8351519
DS 19 mm Easy Pass		1.5	4/0	50 cm	black	8151519P
		2	3/0	50 cm	black	8201519P
DS 19 mm black		1	5/0	75 cm	black	8101519VB
		1.5	4/0	75 cm	black	8151519VB
		2	3/0	75 cm	black	8201519VB
DS 24 mm		1	5/0	75 cm	black	8101524
		1.5	4/0	75 cm	black	8151524
		2	3/0	75 cm	black	8201524
		3	2/0	75 cm	black	8301524
		3.5	0	75 cm	black	8351524
DS 26 mm		2	3/0	75 cm	black	8201526
		3	2/0	75 cm	black	8301526
DS 30 mm		1.5	4/0	75 cm	black	8151530
		2	3/0	75 cm	black	8201530
		3	2/0	75 cm	black	8301530
		3.5	0	75 cm	black	8351530
		4	1	75 cm	black	8401530
DS 37 mm		4	1	75 cm	black	8401537
		5	2	75 cm	black	8501537
		2	3/0	75 cm	black	8201537
		3	2/0	75 cm	black	8301537
		3.5	0	75 cm	black	8351537
		4	1	75 cm	black	8401537
		5	2	75 cm	black	8501537
		6	3&4	75 cm	black	8601537

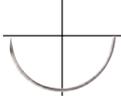
3/8 circle

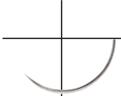


Reverse cutting		Metric	USP	Length	Order number
DS 45 mm		3	2/0	75 cm	<i>black</i> 8301545
		3.5	0	75 cm	<i>black</i> 8351545
		4	1	75 cm	<i>black</i> 8401545
		5	2	75 cm	<i>black</i> 8501545
3/8 circle	DS 60 mm	4	1	75 cm	<i>black</i> 8401560
	DS 90 mm	3.5	0	100 cm	<i>black</i> 8351590

Reverse cutting		Metric	USP	Length	Order number	
1/2 circle		HS 12 mm	0.7	6/0	75 cm	<i>black</i> 8071412
		HS 17 mm	1	5/0	75 cm	<i>black</i> 8101417
			1.5	4/0	75 cm	<i>black</i> 8151417
			2	3/0	75 cm	<i>black</i> 8201417
		HS 20 mm	1.5	4/0	75 cm	<i>black</i> 8151420
			2	3/0	75 cm	<i>black</i> 8201420
		HS 22 mm	1	5/0	75 cm	<i>black</i> 8101422
			1.5	4/0	75 cm	<i>black</i> 8151422
			2	3/0	75 cm	<i>black</i> 8201422
		HS 26 mm	3	2/0	75 cm	<i>black</i> 8301422
			1	5/0	75 cm	<i>black</i> 8101426
			1.5	4/0	75 cm	<i>black</i> 8151426
2	3/0		75 cm	<i>black</i> 8201426		
HS 36 mm	3	2/0	75 cm	<i>black</i> 8301426		
	3.5	0	75 cm	<i>black</i> 8351426		
	3.5	0	75 cm	<i>black</i> 8351436		
		4	1	75 cm	<i>black</i> 8401436	

 Cutting		Metric	USP	Length		Order number
<b>Straight</b> 	GS 40 mm 	3	2/0	75 cm	<i>black</i>	8302140
	GS 60 mm 	2	3/0	75 cm	<i>black</i>	8202160
		3	2/0	75 cm	<i>black</i>	8302160
		3.5	0	75 cm	<i>black</i>	8352160

 Round bodied taper cutting point		Metric	USP	Length		Order number
<b>1/2 circle</b> 	HRT 18 mm 	1	5/0	75 cm	<i>black</i>	8100518
		1.5	4/0	75 cm	<i>black</i>	8150518
		2	3/0	75 cm	<i>black</i>	8200518
		3	2/0	75 cm	<i>black</i>	8300518
	HRT 27 mm 	2	3/0	75 cm	<i>black</i>	8200527
		3	2/0	75 cm	<i>black</i>	8300527

 Round bodied taper cutting point		Metric	USP	Length		Order number
<b>3/8 circle</b> 	DRT 18 mm 	1.5	4/0	75 cm	<i>black</i>	8150418
		2	3/0	75 cm	<i>black</i>	8200418

# POLYESTER



<b>Type</b>	Braided multifilament
<b>Composition</b>	Polyester - a polymer of polyethylene terephthalate
<b>Coating</b>	Silicone
<b>Colour</b>	Green White
<b>Tissue reaction</b>	Minimal
<b>Absorption</b>	Non absorbable, gradually encapsulated by connective tissue
<b>Presentation</b>	Box with 12 sutures

*For quality  
&  
safety*

**smi**

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# POLYESTER

## **CHARACTERISTICS**

- ✓ Unsurpassed tensile strength, non absorbable
- ✓ Resistance to repeated bending
- ✓ Synthetic
- ✓ Braided structure
  
- ✓ Coated multifilament
  
- ✓ Hermetically sealed packing

**INDICATIONS** General soft tissue closing and/or ligation  
especially in Cardiovascular surgery  
Ophthalmic surgery  
General surgery  
Skin closure  
Orthopaedics  
Gastrointestinal surgery  
Obstetrics

## **BENEFITS**

- Excellent and permanent tissue support
  
- Use in cardiovascular surgery (heart prosthesis)
  
- Minimal tissue reaction
  
- Excellent handling properties  
High flexibility  
High tensile strength  
Excellent knot security
  
- Soft passage through the tissues with minimal sawing, tissue drag and trauma  
Good knot tie down / adjustability  
Reduced capillary action
  
- Guaranteed seal and product sterility

# POLYESTER



Without needle

**Metric      USP      Length      Order number**

1.5	4/0	150 cm	<i>green</i>	7150015
2	3/0	150 cm	<i>green</i>	7200015
3	2/0	150 cm	<i>green</i>	7300015
3.5	0	150 cm	<i>green</i>	7350015
4	1	150 cm	<i>green</i>	7400015
5	2	150 cm	<i>green</i>	7500015
6	3&4	150 cm	<i>green</i>	7600015
1.5	4/0	6 x 45 cm	<i>green</i>	7150045
2	3/0	6 x 45 cm	<i>green</i>	7200045
3	2/0	6 x 45 cm	<i>green</i>	7300045
3.5	0	6 x 45 cm	<i>green</i>	7350045
4	1	6 x 45 cm	<i>green</i>	7400045
5	2	6 x 45 cm	<i>green</i>	7500045
6	3&4	6 x 45 cm	<i>green</i>	7600045
2	3/0	3 x 50 cm	<i>green</i>	7200050
3	2/0	3 x 50 cm	<i>green</i>	7300050
3.5	0	3 x 50 cm	<i>green</i>	7350050
4	1	3 x 50 cm	<i>green</i>	7400050
5	2	3 x 50 cm	<i>green</i>	7500050
2	3/0	2 x 75 cm	<i>green</i>	7200075-2



Without needle

**Metric      USP      Length      Order number**

Ligapack



1.5	4/0	250 cm	<i>green</i>	7150025
2	3/0	250 cm	<i>green</i>	7200025
3	2/0	250 cm	<i>green</i>	7300025
3.5	0	250 cm	<i>green</i>	7350025
4	1	250 cm	<i>green</i>	7400025
5	2	250 cm	<i>green</i>	7500025
6	3&4	250 cm	<i>green</i>	7600025



## Round bodied taper point

1/2 circle



		Metric	USP	Length		Order number
HR 16 mm		1	5/0	75 cm	green	7100116
		1.5	4/0	75 cm	green	7150116
		2	3/0	75 cm	green	7200116
HR 20 mm		1.5	4/0	75 cm	green	7150120
		2	3/0	75 cm	green	7200120
HR 26 mm		2	3/0	75 cm	green	7200126
		3	2/0	75 cm	green	7300126
		3.5	0	75 cm	green	7350126
		4	1	75 cm	green	7400126
HR 30 mm		2	3/0	75 cm	green	7200130
		3	2/0	75 cm	green	7300130
		3.5	0	75 cm	green	7350130
HR 36 mm		4	1	75 cm	green	7400130
		3	2/0	75 cm	green	7300136
HR 40 mm		3.5	0	75 cm	green	7350136
		4	1	75 cm	green	7400136
HR 48 mm		3.5	0	75 cm	green	7350140
		4	1	75 cm	green	7400140
		5	2	75 cm	green	7500140
HR 48 mm		7	5	75 cm	green	7700140
		4	1	75 cm	green	7400148
		5	2	75 cm	green	7500148

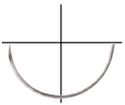


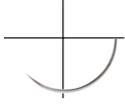
## Round bodied taper point double armed

1/2 circle

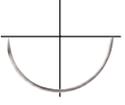


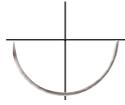
		Metric	USP	Length		Order number
2 x HR 17 mm		3	2/0	75 cm	green	7300117-2-75
		3	2/0	90 cm	green	7300117-2
2 x HR 20 mm		3	2/0	90 cm	green	7300120-2
		2	3/0	90 cm	green	7200126-2
2 x HR 26 mm		3	2/0	90 cm	green	7300126-2

 Round bodied taper point double armed	Metric	USP	Length	Order number	
<b>1/2 circle</b>  HR 16 mm HR 36 mm		2	3/0	60 cm	<i>green</i> 7200116-36

 Round bodied taper point	Metric	USP	Length	Order number	
<b>3/8 circle</b>  DR 50 mm		7	5	75 cm	<i>green</i> 7700250

 Round bodied taper point	Metric	USP	Length	Order number	
<b>Straight</b>  GR 19 mm		1.5	4/0	45 cm	<i>green</i> 7152019
		2	3/0	50 cm	<i>green</i> 7202019

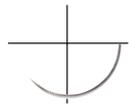
 Round bodied taper cutting point double armed	Metric	USP	Length	Order number		
<b>1/2 circle</b>  2 x HRT 17 mm		1.5	4/0	90 cm	<i>green</i> 7150517-2	
		2	3/0	90 cm	<i>green</i> 7200517-2	
		3	2/0	90 cm	<i>green</i> 7300517-2	
					with pledget - 4x <i>green</i> , 4x <i>white</i>	7300517-2P
		2	3/0	90 cm	<i>green</i> 7200525-2	
		3	2/0	90 cm	<i>green</i> 7300525-2	
2 x HRT 25 mm					with pledget - 4x <i>green</i> , 4x <i>white</i> 7300525-2P	

 Round bodied taper cutting point	Metric	USP	Length	Order number		
<b>1/2 circle</b>  HRT 18 mm		1.5	4/0	75 cm	<i>green</i> 7150518	
		2	3/0	75 cm	<i>green</i> 7200518	
HRT 36 mm					<i>green</i> 7350536	
		HRT 40 mm	5	2	75 cm	<i>green</i> 7500540
			8	6	90 cm	<i>green</i> 7800540
		HRT 55 mm		7	5	4 x 75 cm



## Reverse cutting

3/8 circle

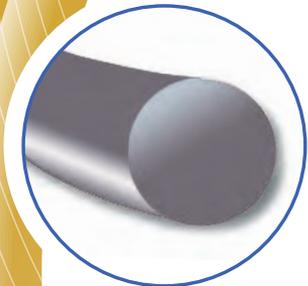


		Metric	USP	Length		Order number
DS 12 mm		1	5/0	45 cm	<i>green</i>	7101512
DS 16 mm		1	5/0	75 cm	<i>green</i>	7101516
		1.5	4/0	75 cm	<i>green</i>	7151516
DS 19 mm		2	3/0	75 cm	<i>green</i>	7201516
		1	5/0	75 cm	<i>green</i>	7101519
		1.5	4/0	75 cm	<i>green</i>	7151519
DS 19 mm black		2	3/0	75 cm	<i>green</i>	7201519
		3	2/0	75 cm	<i>green</i>	7301519
		1.5	4/0	75 cm	<i>green</i>	7151519VB
DS 24 mm		2	3/0	75 cm	<i>green</i>	7201524
		3	2/0	75 cm	<i>green</i>	7301524
DS 26 mm		3.5	0	75 cm	<i>green</i>	7351524
		1.5	4/0	75 cm	<i>green</i>	7151526
DS 30 mm		3	2/0	75 cm	<i>green</i>	7301526
		2	3/0	75 cm	<i>green</i>	7201530
		3.5	0	75 cm	<i>green</i>	7351530
DS 36 mm		4	1	75 cm	<i>green</i>	7401530
		3	2/0	75 cm	<i>green</i>	7301536
		4	1	75 cm	<i>green</i>	7401536
DS 40 mm		5	2	75 cm	<i>green</i>	7501536
		3.5	0	75 cm	<i>green</i>	7351540
		4	1	75 cm	<i>green</i>	7401540
		5	2	75 cm	<i>green</i>	7501540

	Reverse cutting		Metric	USP	Length		Order number
<p>1/2 circle</p> 	HS 17 mm		1.5	4/0	75 cm	green	7151417
			2	3/0	75 cm	green	7201417
	HS 20 mm		3	2/0	75 cm	green	7301420
	HS 22 mm		2	3/0	75 cm	green	7201422
	HS 26 mm		2	3/0	75 cm	green	7201426
			3	2/0	75 cm	green	7301426
	HS 30 mm		3	2/0	75 cm	green	7301430
			3.5	0	75 cm	green	7351430
			4	1	75 cm	green	7401430
	HS 36 mm		5	2	75 cm	green	7501430
			3.5	0	75 cm	green	7351436
			4	1	75 cm	green	7401436
	HS 40 mm		3.5	0	75 cm	green	7351440
			4	1	75 cm	green	7401440
			5	2	75 cm	green	7501440
	HS 48 mm		6	3&4	75 cm	green	7601448
			7	5	75 cm	green	7701448

# STEEL

## MONOFILAMENT



<b>Type</b>	Monofilament
<b>Composition</b>	Iron, nickel and chromium alloy
<b>Coating</b>	None
<b>Colour</b>	Metal
<b>Tissue reaction</b>	Minimal
<b>Absorption</b>	Non absorbable
<b>Presentation</b>	Box with 12 sutures

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# STEEL

## MONOFILAMENT

### **CHARACTERISTICS**

- High tensile strength, non absorbable
- Synthetic
- Ductile and malleable
- Monofilament with microscopic uniform diameter
  
- Hermetically sealed packing

### **BENEFITS**

- Excellent and permanent tissue support
- Minimal tissue reaction
- Good handling properties
- Soft passage through the tissues without sawing, tissue drag and trauma
- Absence of capillarity (no support of bacterial growth)
- Excellent knot tie down
  
- Guaranteed seal and product sterility

**INDICATIONS** Closure of sternum  
Orthopaedics  
Abdominal wall closure  
and hernia repair

**CONTRAINDICATIONS** Known sensitivities or allergies to stainless or metals such as chromium and nickel



### Round bodied taper cutting point

Metric

USP

Length

Order number

1/2 circle



HRT 40 mm



6

3&4

4 x 45 cm

ST45

HRT 48 mm



7

5

4 x 45 cm

ST55

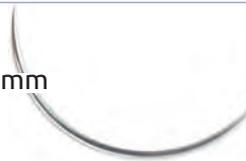
8

6

4 x 45 cm

ST65

HRT 54 mm



7

5

1 x 75 cm

ST54



### Reverse cutting

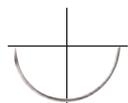
Metric

USP

Length

Order number

1/2 circle



HS 25 mm



3.5

0

4 x 45 cm

ST01

HS 40 mm



4

1

4 x 45 cm

ST11

5

2

4 x 45 cm

ST21

HS 48 mm



6

3&4

4 x 45 cm

ST41

9

7

4 x 45 cm

ST71

HS 50 mm



7

5

1 x 75 cm

ST53

7

5

4 x 45 cm

ST51

8

6

4 x 45 cm

ST61

HS 58 mm



7

5

4 x 45 cm

ST52

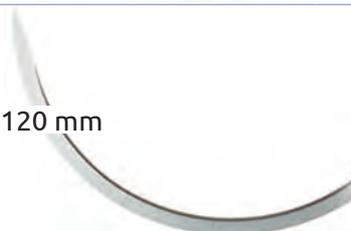
8

6

4 x 45 cm

ST62

HS 120 mm



9

7

60 cm

ST75



### Cutting

Metric

USP

Length

Order number

1/2 circle



NH 48 mm



7

5

4 x 45 cm

ST56

8

6

4 x 45 cm

ST63

9

7

4 x 45 cm

ST72



# *MICROSURGERY*

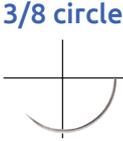
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# MICROSURGERY

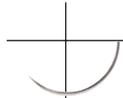
# DACLON NYLON

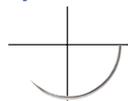
 Micro needle taper point	Metric	USP	Length	Order number	
	MDR 3.8 mm 50µm	0.1	11/0	10 cm	<i>black</i> MN116
		0.2	10/0	10 cm	<i>black</i> MN102
	MDR 3.8 mm 70µm	0.1	11/0	10 cm	<i>black</i> MN113
		0.2	10/0	10 cm	<i>black</i> MN103
	MDR 3.8 mm 100µm	0.1	11/0	10 cm	<i>black</i> MN112
		0.2	10/0	15 cm	<i>black</i> <b>MN105</b>
		0.3	9/0	15 cm	<i>black</i> MN094
	MDR 5.1 mm 100µm	0.2	10/0	15 cm	<i>black</i> MN106
		0.3	9/0	15 cm	<i>black</i> MN096
	MDR 6.4 mm 140µm	0.2	10/0	15 cm	<i>black</i> MN1011
		0.3	9/0	15 cm	<i>black</i> MN098
		0.4	8/0	15 cm	<i>black</i> MN087
MDR 9.7 mm 200µm	0.5	7/0	45 cm	<i>black</i> MN078	

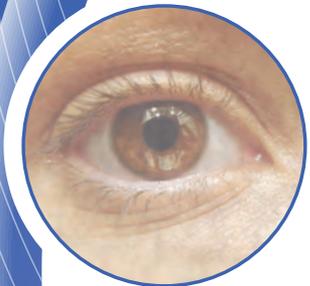
# MICROSURGERY

# POLYPROPYLENE

BLUE

 Micro needle taper point	Metric	USP	Length	Order number	
	MDR 5.1 mm 100µm	0.2	10/0	15 cm	<i>blue</i> MP106
	MDR 6.4 mm 150µm	0.3	9/0	15 cm	<i>blue</i> MP097

	Micro needle taper point	Metric	USP	Length		Order number
<p>3/8 circle</p> 	<p>MDR 6.4 mm 150µm</p> 	0.4	8/0	20 cm	<i>violet</i>	M910087

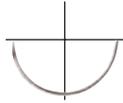


# OPHTHALMIC SURGERY

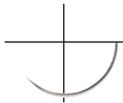
*For quality  
&  
safety*

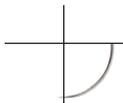


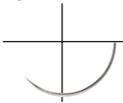
[www.sutures.be](http://www.sutures.be)

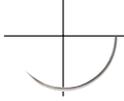
 Side cutting spatula double armed	Metric	USP	Length	Order number			
<b>1/2 circle</b> 	2 x HSP 8 mm 200 µm		0.5	7/0	45 cm	<i>violet</i>	OSU07
	2 x HSP 8 mm 300 µm		0.7	6/0	45 cm	<i>violet</i>	OSU061

 Side cutting spatula double armed	Metric	USP	Length	Order number			
<b>3/8 circle</b> 	2 x DSP 6 mm 200 µm		0.4	8/0	30 cm	<i>violet</i>	OSU08-30
			0.4	8/0	45 cm	<i>violet</i>	OSU08
	2 x DSP 6.2 mm 150 µm		0.2	10/0	30 cm	<i>violet</i>	OSU10
	2 x DSP 6.4 mm 200 µm		0.3	9/0	30 cm	<i>violet</i>	OSU09
			0.5	7/0	45 cm	<i>violet</i>	OSU072
2 x DSP 8 mm 200 µm		0.5	7/0	45 cm	<i>violet</i>	OSU071	

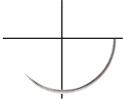
 Side cutting spatula	Metric	USP	Length	Order number			
<b>3/8 circle</b> 	DSP 6.2 mm 150 µm		0.2	10/0	10 cm	<i>violet</i>	OSU101
	DSP 6.4 mm 200 µm		0.3	9/0	30 cm	<i>violet</i>	OSU09-1

 Side cutting spatula double armed	Metric	USP	Length	Order number			
<b>1/4 circle</b> 	2 x VSP 8 mm 300 µm		0.7	6/0	45 cm	<i>violet</i>	OSU06
	350 µm		1	5/0	45 cm	<i>violet</i>	OSU05

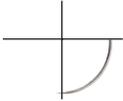
 Micro needle taper point double armed	Metric	USP	Length	Order number			
<b>3/8 circle</b> 	MDR 6.4 mm 150µm		0.3	9/0	30 cm	<i>violet</i>	OSU095

 Reverse cutting		Metric	USP	Length		Order number
<b>3/8 circle</b> 	DS 12 mm	 0.7	6/0	45 cm	<i>violet</i>	11071512
		1	5/0	45 cm	<i>violet</i>	11101512
	DS 12 mm Easy Pass	 0.7	6/0	50 cm	<i>undyed</i>	11071512UP
		1	5/0	50 cm	<i>undyed</i>	11101512UP

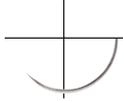
 Side cutting spatula double armed	Metric	USP	Length	Order number			
<b>1/2 circle</b> 	2 x HSP 8 mm 200 µm		0.4	8/0	45 cm	<i>violet</i>	O910081
	2 x HSP 8 mm 200 µm		0.5	7/0	45 cm	<i>violet</i>	O91007
	2 x HSP 8 mm 300 µm		0.7	6/0	45 cm	<i>violet</i>	O910061
	2 x HSP 8 mm 300 µm		0.7	6/0	45 cm	<i>undyed</i>	O910061U
2 x HSP 8 mm 350 µm		1	5/0	45 cm	<i>violet</i>	<b>O910052</b>	

 Side cutting spatula double armed	Metric	USP	Length	Order number			
<b>3/8 circle</b> 	2 x DSP 6 mm 200 µm		0.4	8/0	45 cm	<i>violet</i>	O91008
	2 x DSP 6 mm 220 µm		0.5	7/0	45 cm	<i>violet</i>	O910072
	2 x DSP 6.5 mm 200 µm		0.4	8/0	30 cm	<i>violet</i>	O910082
	2 x DSP 6.5 mm 200 µm		0.5	7/0	30 cm	<i>violet</i>	O910077
	2 x DSP 11 mm 350 µm		1	5/0	45 cm	<i>violet</i>	O910051

 Side cutting spatula	Metric	USP	Length	Order number			
<b>3/8 circle</b> 	DSP 6.5 mm 200 µm		0.4	8/0	30 cm	<i>violet</i>	O910082-1
	DSP 6.5 mm 200 µm		0.5	7/0	30 cm	<i>violet</i>	O910077-1

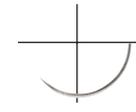
 Side cutting spatula double armed	Metric	USP	Length	Order number			
<b>1/4 circle</b> 	2 x VSP 8 mm 300 µm		0.7	6/0	45 cm	<i>violet</i>	O91006
	2 x VSP 8 mm 300 µm		0.7	6/0	20 cm	<i>undyed</i>	O91006U-20
	2 x VSP 8 mm 300 µm		0.7	6/0	45 cm	<i>undyed</i>	O91006U
	2 x VSP 8 mm 350 µm		1	5/0	45 cm	<i>violet</i>	O91005
	2 x VSP 8 mm 350 µm		1	5/0	45 cm	<i>undyed</i>	O91005U

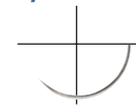


 Side cutting spatula double armed	Metric	USP	Length	Order number
<b>3/8 circle</b>  2 x DSP 6.5 mm 200 µm 	0.4	8/0	45 cm	<i>blue</i> OS81

 Side cutting spatula double armed	Metric	USP	Length	Order number			
	2 x DSP 6.5 mm 200 µm		0.4	8/0	45 cm	<i>black</i>	OS81B
	2 x DSP 6.5 mm 240 µm		0.5	7/0	45 cm	<i>black</i>	OS71
			0.7	6/0	45 cm	<i>black</i>	OS61
2 x DSP 8 mm 350 µm		1	5/0	30 cm	<i>black</i>	OS52	

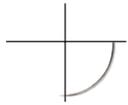
 Side cutting spatula double armed	Metric	USP	Length	Order number			
	2 x VSP 8 mm 250 µm		0.7	6/0	45 cm	<i>black</i>	OS62
	2 x VSP 10 mm 350 µm		1	5/0	45 cm	<i>black</i>	OS51

 Reverse cutting	Metric	USP	Length	Order number			
	DS 12 mm		0.7	6/0	45 cm	<i>black</i>	8071512
			1	5/0	45 cm	<i>black</i>	8101512
			1.5	4/0	75 cm	<i>black</i>	8151512
	DS 16 mm		1.5	4/0	75 cm	<i>black</i>	8151516
	DS 19 mm		1.5	4/0	75 cm	<i>black</i>	8151519

 Reverse cutting double armed	Metric	USP	Length	Order number			
	2 x DS 12 mm		0.5	7/0	45 cm	<i>black</i>	8051512-2
			0.7	6/0	45 cm	<i>black</i>	8071512-2

 Round bodied taper point double armed	Metric	USP	Length	Order number
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1/4 circle



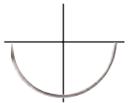
2 x VR 8 mm  
220 µm



Metric	USP	Length	Order number
0.4	8/0	45 cm	<i>black</i> ON81

 Side cutting spatula	Metric	USP	Length	Order number
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1/2 circle



HSP 5.5 mm  
150 µm



Metric	USP	Length	Order number
0.2	10/0	30 cm	<i>black</i> ON1081

 Side cutting spatula double armed	Metric	USP	Length	Order number
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1/2 circle



2 x HSP 5.5 mm  
150 µm



2 x HSP 6.2 mm  
150 µm



2 x HSP 6.4 mm  
220 µm



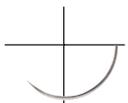
2 x HSP 8 mm  
300 µm



Metric	USP	Length	Order number
0.2	10/0	30 cm	<i>black</i> ON108
0.2	10/0	30 cm	<i>black</i> ON102
0.2	10/0	30 cm	<i>black</i> ON106
0.7	6/0	45 cm	<i>black</i> ON62

 Side cutting spatula	Metric	USP	Length	Order number
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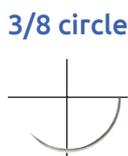
3/8 circle

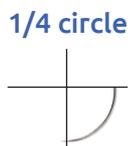


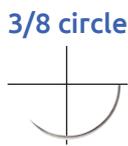
DSP 6.2 mm  
150 µm

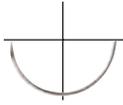
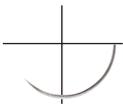
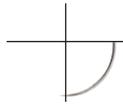


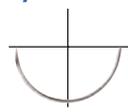
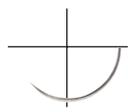
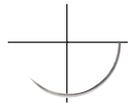
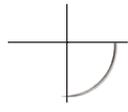
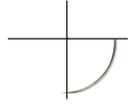
Metric	USP	Length	Order number
0.2	10/0	15 cm	<i>black</i> ON1011

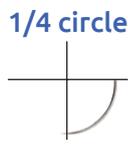
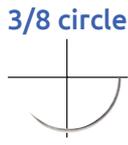
 Side cutting spatula double armed	Metric	USP	Length	Order number			
	2 x DSP 6 mm 220 µm		0.2	10/0	30 cm	<i>black</i>	ON103
			0.1	11/0	20 cm	<i>black</i>	ON111
			0.2	10/0	30 cm	<i>black</i>	ON101
	2 x DSP 6.2 mm 150 µm		0.3	9/0	30 cm	<i>black</i>	ON95
			0.3	9/0	45 cm	<i>black</i>	ON95-45
			0.4	8/0	30 cm	<i>black</i>	ON85
			0.4	8/0	45 cm	<i>black</i>	ON85-45
	2 x DSP 6.2 mm 200 µm		0.5	7/0	30 cm	<i>black</i>	ON75
	2 x DSP 6.4 mm 220 µm		0.2	10/0	30 cm	<i>black</i>	ON105
			0.2	10/0	38 cm	<i>black</i>	ON105-38
		0.2	10/0	45 cm	<i>black</i>	ON105-45	
2 x DSP 8 mm 300 µm		0.7	6/0	45 cm	<i>black</i>	ON61	

 Side cutting spatula double armed	Metric	USP	Length	Order number			
	2 x VSP 8 mm 350 µm		1	5/0	45 cm	<i>black</i>	ON51

 Reverse cutting	Metric	USP	Length	Order number			
	DS 12 mm		0.5	7/0	75 cm	<i>black</i>	9051512
			0.7	6/0	75 cm	<i>black</i>	9071512

 Side cutting spatula double armed	Metric	USP	Length	Order number
<b>1/2 circle</b>  2 x HSP 8 mm 350 µm 	1	5/0	45 cm	<i>white</i> OP52
 Side cutting spatula double armed	Metric	USP	Length	Order number
<b>3/8 circle</b>  2 x DSP 8 mm 350 µm 	1	5/0	45 cm	<i>white</i> OP53
 Side cutting spatula double armed	Metric	USP	Length	Order number
<b>1/4 circle</b>  2 x VSP 8 mm 250 µm 	0.5	7/0	45 cm	<i>white</i> OP71
2 x VSP 8 mm 300 µm 	0.7	6/0	45 cm	<i>white</i> OP61
2 x VSP 8 mm 350 µm 	1	5/0	45 cm	<i>white</i> OP51
2 x VSP 8 mm 350 µm 	1.5	4/0	45 cm	<i>white</i> OP41

 Side cutting spatula double armed	Metric	USP	Length	Order number
<b>1/2 circle</b>  2 x HSP 6.2 mm 200 µm 	0.2	10/0	30 cm	<i>blue</i> OPP106
<b>3/8 circle</b>  2 x DSP 6.4 mm 200 µm 	0.2	10/0	30 cm	<i>blue</i> OPP105
	0.3	9/0	30 cm	<i>blue</i> OPP95
 Side cutting spatula	Metric	USP	Length	Order number
<b>3/8 circle</b>  DSP 6 mm 200 µm 	0.5	7/0	45 cm	<i>blue</i> OPP71-1
 Side cutting spatula double armed	Metric	USP	Length	Order number
<b>1/4 circle</b>  2 x VSP 8 mm 300 µm 	0.7	6/0	45 cm	<i>blue</i> OPP62
 Side cutting spatula	Metric	USP	Length	Order number
<b>1/4 circle</b>  VSP 16 mm 150 µm 	0.2	10/0	10 cm	<i>blue</i> OPP103

 Side cutting spatula loop	Metric	USP	Length	Order number	
	VSP 15.3 mm 150 µm	0.2	10/0	20 cm	<i>blue</i> OPP113L-2
	VSP 16 mm 150 µm	0.2	10/0	20 cm	<i>blue</i> OPP103L-2
 Side cutting spatula double armed	Metric	USP	Length	Order number	
	2 x GSP 16.15 mm 150 µm	0.2	10/0	20 cm	<i>blue</i> OPP101
		0.3	9/0	20 cm	<i>blue</i> OPP91
 Side cutting spatula loop	Metric	USP	Length	Order number	
	GSP 16.15 mm 150 µm	0.2	10/0	15 cm	<i>blue</i> OPP110
 Side cutting spatula double armed	Metric	USP	Length	Order number	
	GSP 16 mm 150 µm DSP 4 mm 100 µm	0.2	10/0	10 cm	<i>blue</i> OPP102
					



# *SPECIALITY PRODUCTS*

*For quality  
&  
safety*



[www.sutures.be](http://www.sutures.be)

## Skin Stapler & Remover

### INDICATIONS:

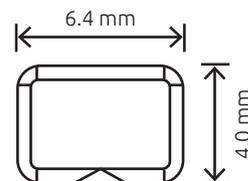
SMI Skin Stapler can be used for a variety of skin closures.

### BENEFITS:

- ☑ *Ergonomic and user friendly design*
- ☑ *Clear view of operating site*
- ☑ *Easy to check remaining staples*

1. Skin Stapler with 35 Wide Staples **ZS35W**
2. Single use staple remover **ZSR**
3. Single use staple remover 2 **ZSR2**

### Staple size



## Biopsy Punch

Sterile biopsy punch for accurate and gentle skin biopsies

Seamless stainless steel sharp cutting edge

Ribbed handle for sure grip and control



Ø 2 mm	25 pc.	<b>ZBP2</b>
Ø 3 mm	25 pc.	<b>ZBP3</b>
Ø 4 mm	25 pc.	<b>ZBP4</b>
Ø 5 mm	25 pc.	<b>ZBP5</b>
Ø 6 mm	25 pc.	<b>ZBP6</b>
Ø 8 mm	25 pc.	<b>ZBP8</b>
Ø 10 mm	25 pc.	<b>ZBP10</b>
Ø 12 mm	25 pc.	<b>ZBP12</b>

## Surgical suture rack

### *Rack & drawer for rack*



The flexible racking system keeps your sutures organized and easily accessible during surgery.

The interchangeable pieces allow for assembly into multiple configurations.

1 rack for 2 horizontal suture boxes  
(125 mm x 72 mm x 143 mm) **Z070**

Drawer for rack **Z071**

## Polypropylene mesh

### INDICATIONS:

Reinforcement of the abdominal wall

- Hernia
- Eventration

via celioscopy or laparotomy

### COMPOSITION:

Monofilament polypropylene knitted into an elastic, durable mesh

### BENEFITS:

- ☑ *Extreme dimensional stability*
- ☑ *Very thin mesh structure*
- ☑ *Ideal porosity*
- ☑ *Excellent transparency*
- ☑ *Good handling*
- ☑ *Easy to cut*
- ☑ *Well tolerated*



### *Square & Rectangular Mesh*

#### STANDARD MESH

5 pc.

5 cm x 10 cm	ZMS0510
6 cm x 11 cm	ZMS0611
7.5 cm x 15 cm	ZMS07515
10 cm x 15 cm	ZMS1015
15 cm x 15 cm	ZMS1515
30 cm x 30 cm	ZMS3030

## Pilomat

### *Tablet Crusher* Z045

To crush tablets with a simple flick of the wrist.



### *Tablet Splitter* Z044

To cut tablets of any size in two.



## Surgical blades & scalpel handles

For blade handle N° 3



N° 10    N° 11    N° 12    N° 12d    N° 15    N° 15c

Surgical blades without handle

**ZB10    ZB11    ZB12    ZB12d    ZB15    ZB15c**

Surgical blades with plastic handle

**ZBD10    ZBD11    ZBD12                    ZBD15**

For blade handle N° 4



N° 18    N° 20    N° 21    N° 22    N° 23    N° 24    N° 25

Surgical blades without handle

**ZB18    ZB20    ZB21    ZB22    ZB23    ZB24    ZB25**

Surgical blades with plastic handle

**ZBD20    ZBD21    ZBD22    ZBD23    ZBD24**



**COMPOSITION:**  
Carbon Steel

**PRESENTATION:**  
Individual sterile foil packs

without handle 100 / box  
with plastic handle 10 / box

## Stitch Cutter



**ZBS**

## Scalpel handles

**COMPOSITION:** Stainless Steel

**PRESENTATION:** 10/ box



**N° 3 ZBH3**



**N° 4 ZBH4**

## Episio Set

Surgicryl® Rapid: Synthetic absorbable Polyglycolic Acid – braided and coated multifilament - fast absorption

Reverse cutting

Round bodied taper cutting point



Order number

3/8 circle



1/2 circle



DS 26 mm  
HRT 40 mm



1 x USP 2/0 – DS 26 mm – 75 cm  
2 x USP 0 – HRT 40 mm – 90 cm

undyed

S-1430-1435

## Cervix set

Shirodkar cervix suture set

2 x blunt needle



Order number



2 x HRB 50 mm

4 mm polyester tape 40 cm

ZCE1

4 mm polyester tape 50 cm

ZCE4

2 x HRB 65 mm

4 mm polyester tape 50 cm

ZCE3

Cervix suture set according to Mc. Donald / Wurm-Hefner techniques

2 x round bodied needle taper cutting point



Order number



2 x HRT 48 mm

EP 6 / USP 8 polyester green thread 75 cm

ZCE9

## Patella Set

The Patella Set is a Special Suture Set for the treatment of fractures of the patella

Cutting



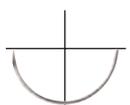
Metric

USP

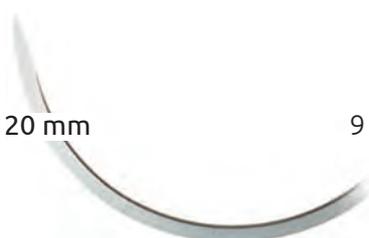
Length

Order number

1/2 circle



HS 120 mm



9

7

60 cm

ST75

## Skin Marker

For general purpose skin marking. Indelible gentian violet ink. Biocompatible, non toxic and non-irritating. With ruler in centimetres and inches.

ZSM 20 Dual tip, regular and fine tip skin marker with ruler, sterile



## Bone Wax



12 x 2.5 g                      Z046

### COMPOSITION:

Refined white beeswax, paraffin and isopropyl palmitate

### INDICATIONS:

Used in the control of bleeding from bone surfaces by acting as a mechanical barrier.

### PRESENTATION:

2.5 g plates individually wrapped  
12 in one box, sterile

## SMI Spon

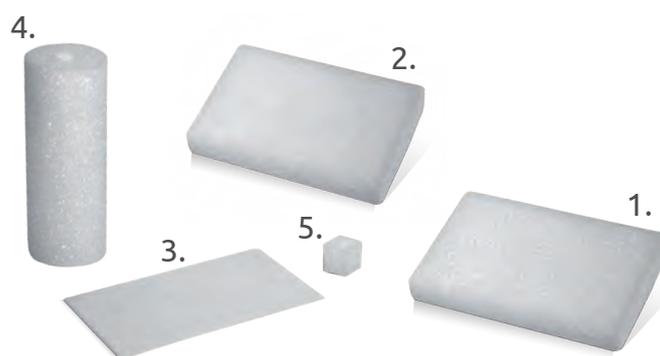
### *Absorbable Haemostatic Gelatin Sponge*

### COMPOSITION:

Highly purified first grade gelatine material

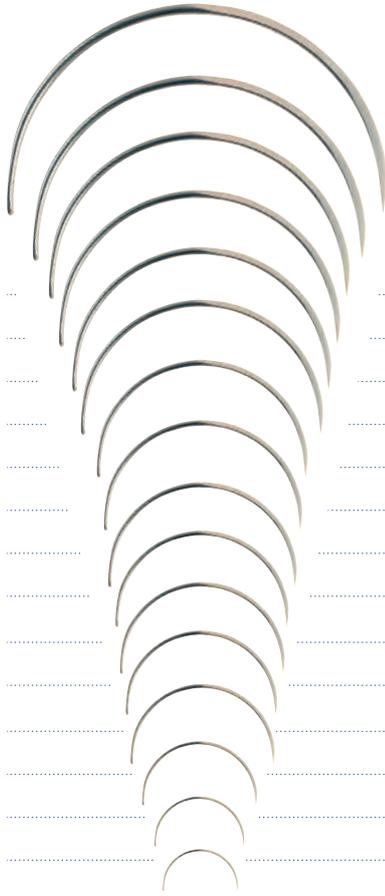
### INDICATIONS:

For use in various surgical procedures. Intended for haemostatic use by applying to a bleeding surface. Non pyrogenic and biocompatible.



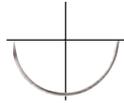
1. STANDARD	80 x 50 x 10 mm	ZHG805010
2. REGULAR	70 x 50 x 10 mm	ZHG705010
3. SPECIAL	80 x 50 x 1 mm	ZHG805001
4. TAMPON	80 x 30 mm DIA	ZHG8030
5. DENTAL CUBE	10 x 10 x 10 mm	ZHG101010

## Needles



12 in one box

1/2 CIRCLE



Ordinary Eye  
GN



Spring Eye  
GF



Ordinary Eye  
GRN



Spring Eye  
GRF



90 mm N°00		Z 751		Z 850
80 mm N°1	Z 702	Z 752		Z 851
70 mm N°2	Z 703	Z 753		Z 853
65 mm N°3	Z 704			
60 mm N°4		Z 755		Z 855
55 mm N°6	Z 706	Z 756	Z 806	Z 856
50 mm N°7		Z 758	Z 807	Z 858
48 mm				Z 840
45 mm N°8	Z 708	Z 759	Z 808	Z 859
40 mm N°9	Z 710	Z 760	Z 810	Z 860
37 mm		Z 746		
35 mm N°10	Z 711	Z 761	Z 811	Z 861
32 mm N°11		Z 745		
30 mm N°12	Z 712	Z 762	Z 812	Z 862
25 mm N°13	Z 713	Z 763	Z 813	Z 863
20 mm N°15	Z 714	Z 764	Z 814	Z 864
16 mm N°16		Z 766		Z 866

### SERPENTINE NEEDLE



Ordinary Eye GSN



145 mm

Z 402

135 mm

Z 401

110 mm

Z 403

### STRAIGHT NEEDLE



Ordinary Eye  
GSN



Spring Eye  
GSF



75 mm N° 1

Z 904

60 mm N° 4

Z 903

Z 913

45 mm N° 8

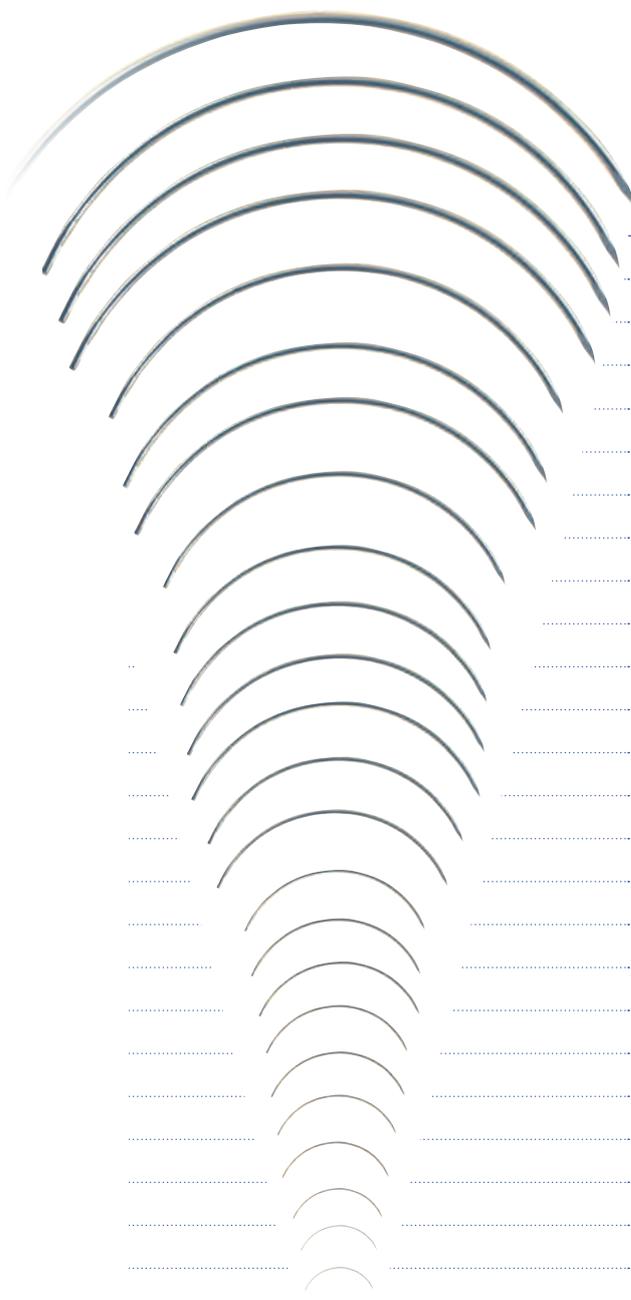
Z 902

40 mm N° 9

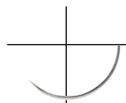
Z 912

35 mm N° 10

Z 911

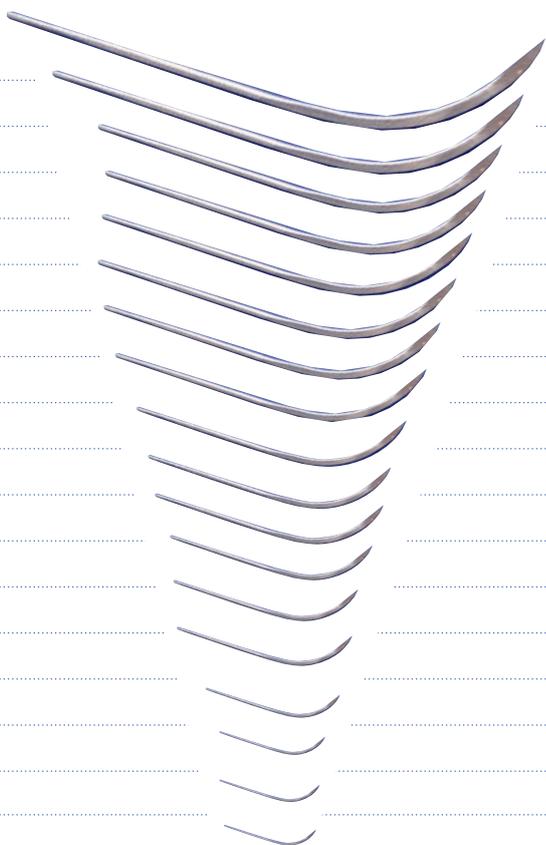


3/8 CIRCLE



					
	Ordinary Eye BN	Spring Eye BF	Ordinary Eye BRN	Spring Eye BRF	Ordinary Eye BRT
200 mm	Z 400				
130 mm N°6-0	Z 495		Z 595		
110 mm N°4-0			Z 599		
100 mm N°000	Z 500	Z 550		Z 650	
90 mm N°00	Z 501	Z 551	Z 601	Z 651	Z 301
90 mm LIGHT N°00	Z 502		Z 602		
85 mm N°0			Z 590		
80 mm N°1	Z 503	Z 552	Z 591		Z 303
70 mm N°2	Z 504	Z 553	Z 603	Z 653	
70 mm LIGHT N°2	Z 504L				
65 mm N°3			Z 604		
60 mm N°4	Z 505	Z 555		Z 655	
57 mm N°5	Z 506		Z 605		
55 mm N°6		Z 556		Z 656	
50 mm N°7		Z 557	Z 607	Z 657	
45 mm N°8	Z 508	Z 558	Z 608	Z 658	
40 mm N°9	Z 510	Z 560	Z 610	Z 660	
35 mm N°10	Z 511	Z 561	Z 611	Z 661	
32 mm N°11		Z 570		Z 670	
30 mm N°12	Z 512	Z 562	Z 612	Z 662	
25 mm N°13	Z 513	Z 563	Z 613	Z 663	
22 mm N°14		Z 571		Z 671	
20 mm N°15	Z 514	Z 564	Z 614	Z 664	
16 mm N°16	Z 516	Z 566		Z 666	
14 mm N°17		Z 567		Z 667	
12 mm N°20		Z 568		Z 668	

## SKI NEEDLES HALF CURVED



### Ordinary Eye



### Spring Eye



80 mm N°1	Z 202	
70 mm N°2	Z 203	
65 mm N°3	Z 204	
60 mm N°4	Z 205	
57 mm N°5	Z 201	
55 mm N°6	Z 206	
50 mm N°7	Z 207	
45 mm N°8	Z 208	
40 mm N°9		Z 260
35 mm N°10		Z 261
32 mm N°11		Z 270
30 mm N°12		Z 262
25 mm N°13		Z 263
22 mm N°14		Z 271
20 mm N°15		Z 264
16 mm N°16		Z 266
14 mm N°17		Z 267
12 mm N°20		Z 268

## POST MORTEM SKI NEEDLES

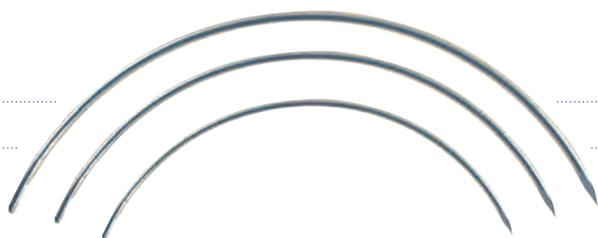


### Ordinary Eye



130 mm 5"	Z 281
100 mm 4"	Z 282

## POST MORTEM NEEDLES 3/8 CIRCLE



### Ordinary Eye



150 mm 6"	Z 480
130 mm 5"	Z 481
100 mm 4"	Z 482