



# Smi

## *DENTAL CATALOGUE*

*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 always 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*

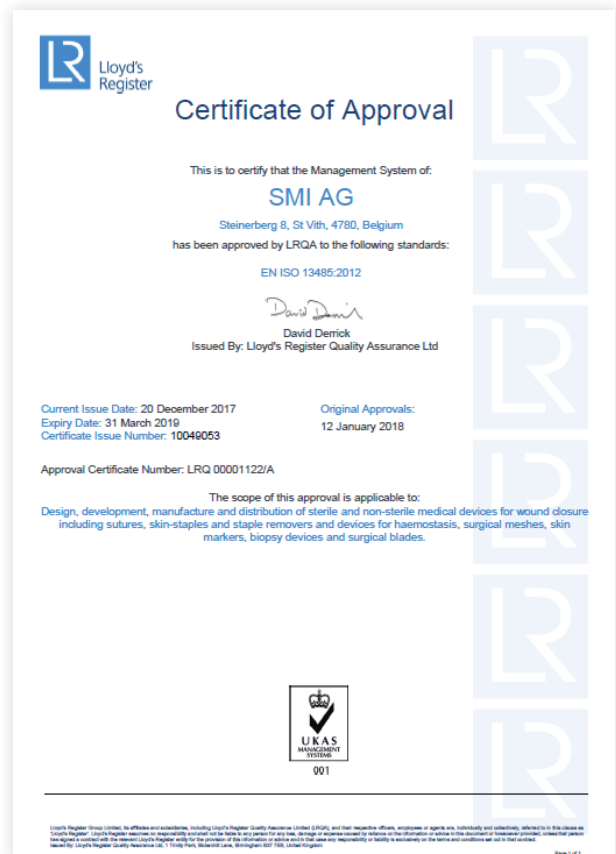
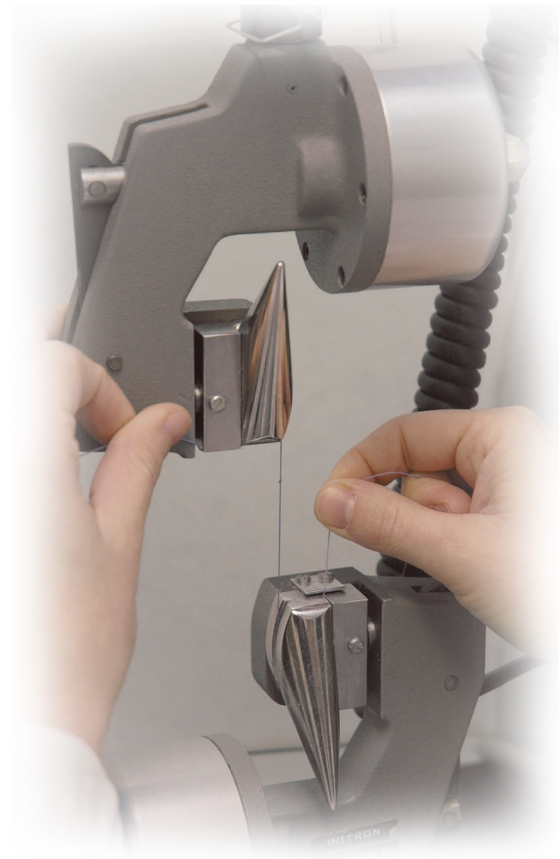
**SMI** exports to around 120 different countries all over the world. For this performance **SMI** received the "Royal Export Award 2000" from the Belgian Foreign Trade Board.

### *THE CATALOGUE*

This catalogue contains information about the most commonly used **SMI** dental products. On our Website you will find the full range of **SMI** products. We are constantly striving to increase our product range based on market developments and customer needs.

Since many years **SMI** products are recognized by dentists around the world.





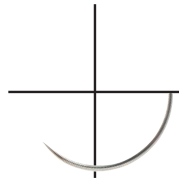
# NEEDLE TYPES

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.

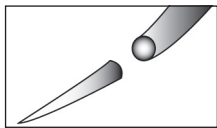
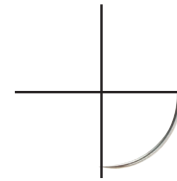
1/2 CIRCLE



3/8 CIRCLE

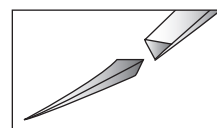


1/4 CIRCLE



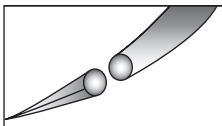
## TAPER POINT

A gradual taper to a round bodied needle.



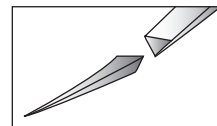
## REVERSE CUTTING

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



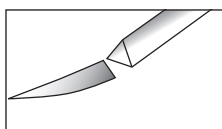
## TAPER CUTTING POINT

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



## EASY PASS NEEDLE

Precision point with extra sharpening.

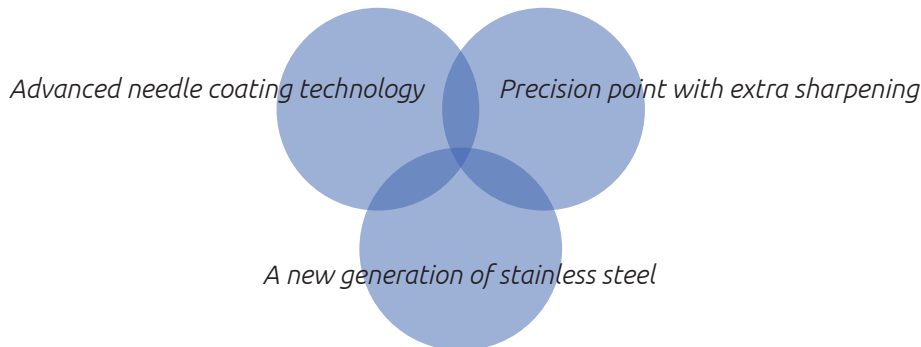


## CONVENTIONAL CUTTING

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

- ✓ *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

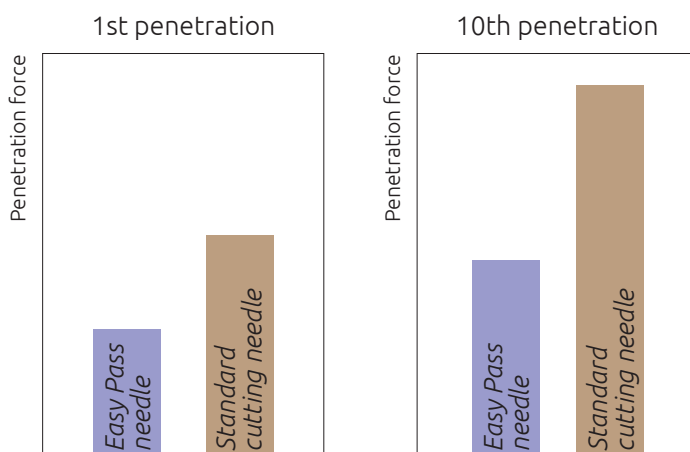
- ✓ Precision point with extra sharpening
- ✓ A new generation of stainless steel
- ✓ Advanced needle coating technology  
Silicone coating covers entire surgical needle

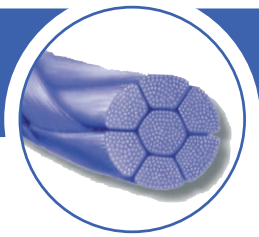
## BENEFITS

- Excellent penetration to reduce patient trauma and to maintain intimal integrity
- Optimal and predicible 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.





<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 / Beige-undyed
<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

### CHARACTERISTICS

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

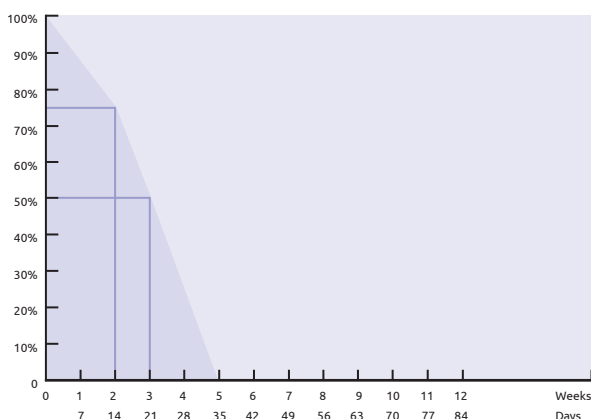
### BENEFITS

- 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

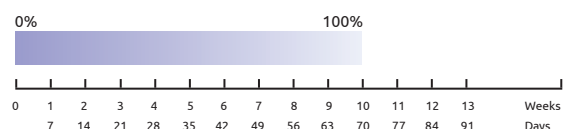
### CONTRAINDICATIONS






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







 Round bodied taper point		Metric	USP	Length		Order number	
<b>1/2 circle</b> 	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		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
		3	2/0	75 cm	<i>violet</i>	15300122	

 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

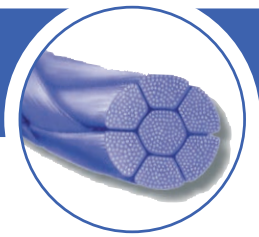
 Reverse cutting		Metric	USP	Length		Order number	
<b>1/2 circle</b> 	HS 12 mm		0.7	6/0	45 cm	<i>violet</i>	15071412
	HS 17 mm		1	5/0	75 cm	<i>violet</i>	15101417
			1.5	4/0	75 cm	<i>violet</i>	15151417
	HS 22 mm		2	3/0	75 cm	<i>violet</i>	15201422
	HS 23 mm		5	2	90 cm	<i>violet</i>	15501423
	HS 26 mm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

 Reverse cutting		Metric	USP	Length		Order number
	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
		2	3/0	45 cm	<i>violet</i>	15201516-45
	DS 16 mm Easy Pass	2	3/0	50 cm	<i>undyed</i>	15201516UP
	DS 16 mm black	0.7	6/0	45 cm	<i>violet</i>	15071516VB
	DS 19 mm	1	5/0	75 cm	<i>violet</i>	15101519
		1.5	4/0	75 cm	<i>violet</i>	15151519
		2	3/0	75 cm	<i>violet</i>	15201519
	DS 19 mm Easy Pass	1.5	4/0	50 cm	<i>undyed</i>	15151519UP
	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	
DS 24 mm Easy Pass	2	3/0	50 cm	<i>undyed</i>	15201524UP	

 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

 Round bodied taper cutting point		Metric	USP	Length		Order number
	DRT 13 mm	1.5	4/0	75 cm	<i>violet</i>	15150413
	DRT 17 mm	1.5	4/0	75 cm	<i>violet</i>	15150417
		2	3/0	75 cm	<i>violet</i>	15200417





<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

### CHARACTERISTICS

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

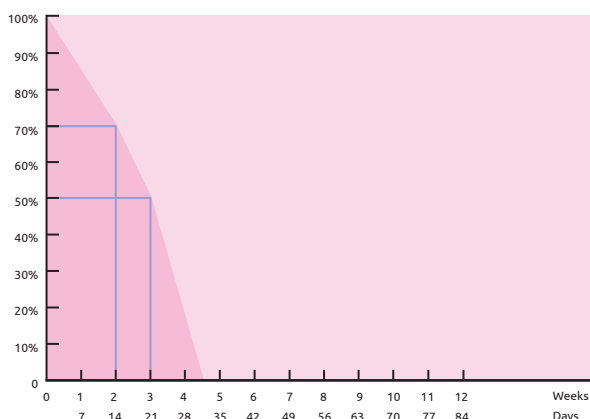
### BENEFITS

- 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

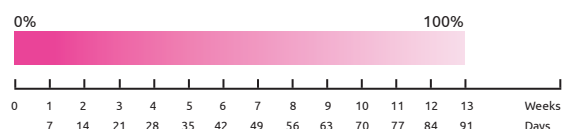
### CONTRAINDICATIONS



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



 Round bodied taper point	Metric	USP	Length	Order number	
 1/2 circle	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	

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

 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	

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



## 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
			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	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	
DS 24 mm Easy Pass		2	3/0	50 cm	<i>undyed</i>	11201524UP	
		3	2/0	50 cm	<i>undyed</i>	11301524UP	



<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

**CHARACTERISTICS**

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

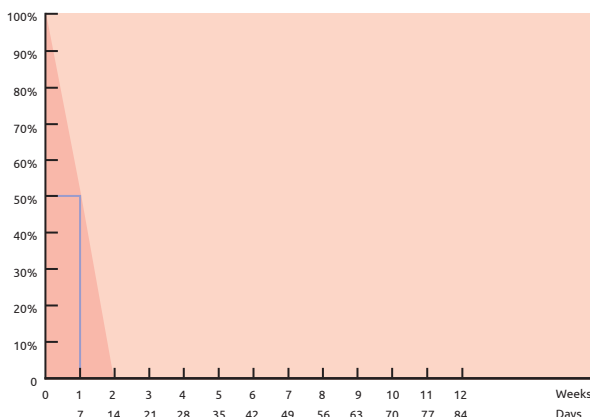
**BENEFITS**

- 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

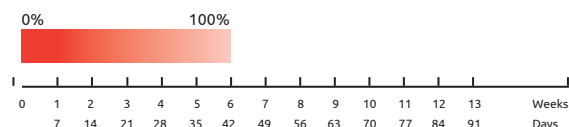
**CONTRAINDICATIONS**


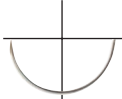
When wound support for more than 7 days is required.  
 Caution in patients with delayed wound healing (e.g. compromised immune system).



**TENSILE STRENGTH**


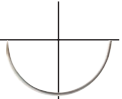




**ABSORPTION**
















 Round bodied taper point	Metric	USP	Length	Order number	
<b>1/2 circle</b> 	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
	2	3/0	75 cm	<i>undyed</i> 14200122	
3	2/0	75 cm	<i>undyed</i> 14300122		

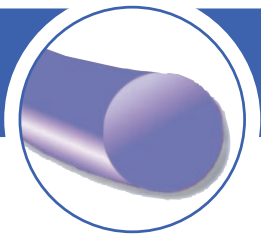
 Round bodied taper point	Metric	USP	Length	Order number	
<b>5/8 circle</b> 	FR 17 mm	1.5	4/0	75 cm	<i>undyed</i> 14150317

 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

 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

 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

 Reverse cutting		Metric	USP	Length		Order number	
<b>3/8 circle</b> 	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	
		3	2/0	75 cm	<i>undyed</i>	14301519	
DS 19 mm Easy Pass		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		2	3/0	50 cm	<i>undyed</i>	14201524P	



<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

### CHARACTERISTICS

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

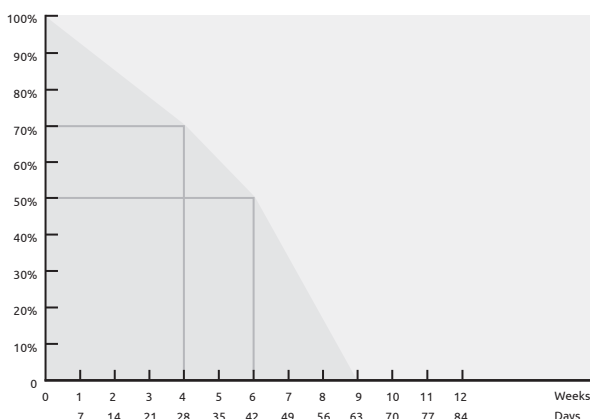
### BENEFITS

- Outstanding strength retention for extended wound support
- Minimal tissue reaction
- Predictable absorption rate
- Soft passage through the tissues with minimal 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

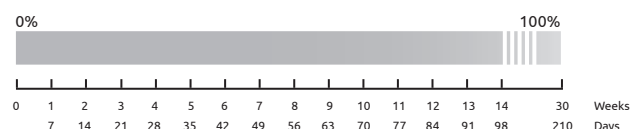
### CONTRAINDICATIONS

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





**Round bodied taper point**

**1/2 circle**



			<b>Metric</b>	<b>USP</b>	<b>Length</b>		<b>Order number</b>
	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	



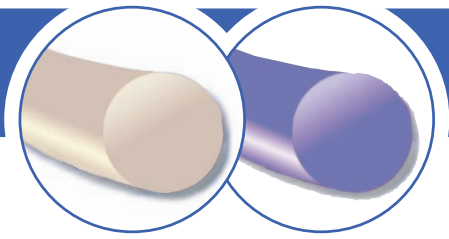
**Reverse cutting**

**3/8 circle**



			<b>Metric</b>	<b>USP</b>	<b>Length</b>		<b>Order number</b>
	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 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
			2	3/0	75 cm	<i>violet</i>	13201519
	DS 19 mm Easy Pass		1	5/0	50 cm	<i>violet</i>	13101516P
	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
			3	2/0	75 cm	<i>violet</i>	13301524





<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

### CHARACTERISTICS

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

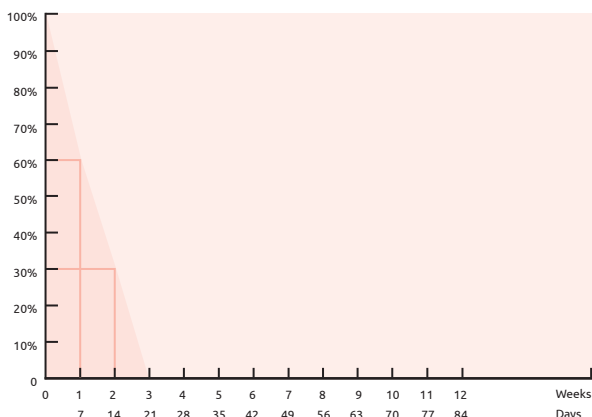
### BENEFITS

- Excellent tissue support
- Minimal tissue reaction
- Predictable absorption rate
- Soft passage through the tissues with minimal 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

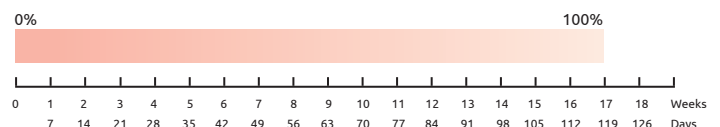
### CONTRAINDICATIONS

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



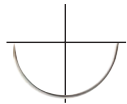
### ABSORPTION








### Round bodied taper point

1/2 circle












		Metric	USP	Length		Order number	
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	

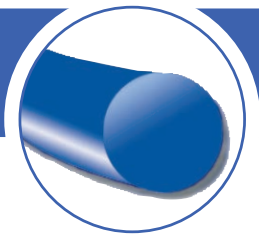


### Reverse cutting

3/8 circle



		Metric	USP	Length		Order number
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	<i>undyed</i>	16071512P
		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	<i>undyed</i>	16101516P
		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
DS 19 mm black		1	5/0	45 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





<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



## **CHARACTERISTICS**


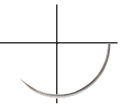
- High tensile strength, non absorbable
- Resistance to repeated bending
- Synthetic
- Monofilament with microscopic uniform diameter
- Pliability and softness
- Hermetically sealed packing


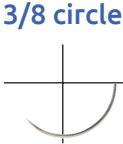
## **BENEFITS**



- Excellent and permanent tissue support
- Use in cardiovascular surgery (heart prosthesis or vascular anastomosis)
- Minimal tissue reaction
- Soft passage through the tissues with minimal 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		Metric	USP	Length	Order number
<b>1/2 circle</b> 	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
	HR 17 mm	1.5	4/0	75 cm	<i>blue</i> 5150115
		1	5/0	75 cm	<i>blue</i> 5100117
	HR 20 mm	2	3/0	75 cm	<i>blue</i> 5200117
		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

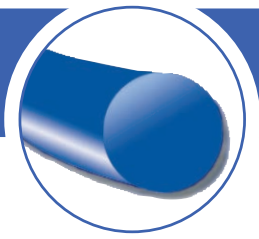
 Round bodied taper point		Metric	USP	Length	Order number
<b>3/8 circle</b> 	DR 16 mm	1.5	4/0	75 cm	<i>blue</i> 5150216

 Reverse cutting		Metric	USP	Length	Order number
<b>3/8 circle</b> 	DS 10 mm	0.7	6/0	45 cm	<i>blue</i> 5071510
		0.5	7/0	45 cm	<i>blue</i> 5051512
	DS 12 mm	0.7	6/0	45 cm	<i>blue</i> 5071512
		1	5/0	45 cm	<i>blue</i> 5101512
		1.5	4/0	75 cm	<i>blue</i> 5151512
		0.7	6/0	50 cm	<i>blue</i> 5071512P
	DS 12 mm Easy Pass	1	5/0	50 cm	<i>blue</i> 5101512P
		0.7	6/0	45 cm	<i>blue</i> 5071516
	DS 16 mm	1	5/0	45 cm	<i>blue</i> 5101516
		1.5	4/0	75 cm	<i>blue</i> 5151516
		2	3/0	75 cm	<i>blue</i> 5201516
	DS 16 mm Easy Pass	0.7	6/0	50 cm	<i>blue</i> 5071516P
		1	5/0	50 cm	<i>blue</i> 5101516P
		1.5	4/0	50 cm	<i>blue</i> 5151516P
	DS 16 mm black	1	5/0	45 cm	<i>blue</i> 5101516VB

 Reverse cutting		Metric	USP	Length	Order number
	DS 19 mm	0.7	6/0	75 cm	<i>blue</i> 5071519
		1	5/0	75 cm	<i>blue</i> 5101519
		1.5	4/0	45 cm	<i>blue</i> 5151519-45
		1.5	4/0	75 cm	<i>blue</i> 5151519
		2	3/0	45 cm	<i>blue</i> 5201519-45
		2	3/0	75 cm	<i>blue</i> 5201519
		3	2/0	75 cm	<i>blue</i> 5301519
		DS 19 mm Easy Pass	1	5/0	50 cm
	1.5		4/0	50 cm	<i>blue</i> 5151519P
	2		3/0	50 cm	<i>blue</i> 5201519P
	DS 19 mm black	1	5/0	75 cm	<i>blue</i> 5101519VB
		1.5	4/0	75 cm	<i>blue</i> 5151519VB
	DS 24 mm	1.5	4/0	75 cm	<i>blue</i> 5151524
		2	3/0	45 cm	<i>blue</i> 5201524-45
		2	3/0	75 cm	<i>blue</i> 5201524
		3	2/0	45 cm	<i>blue</i> 5301524-45
		3	2/0	75 cm	<i>blue</i> 5301524
	DS 24 mm Easy Pass	2	3/0	50 cm	<i>blue</i> 5201524P
3		2/0	50 cm	<i>blue</i> 5301524P	

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

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



<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

## **CHARACTERISTICS**

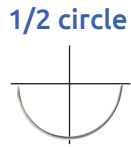
- High tensile strength, non absorbable
- Synthetic
- Monofilament with microscopic uniform diameter
- Pliability and softness
- Hermetically sealed packing

## **BENEFITS**

- Excellent and permanent tissue support
- Minimal tissue reaction
- Soft passage through the tissues with minimal 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

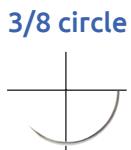


1/2 circle

			Metric	USP	Length		Order number
HR 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
HR 22 mm		3	2/0	75 cm	<i>blue</i>	9300120	
		3	2/0	75 cm	<i>blue</i>	9300122	














### Reverse cutting



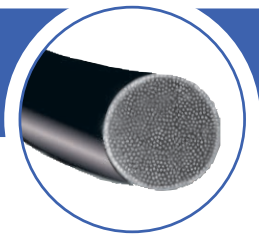
3/8 circle

			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	
		2	3/0	75 cm	<i>blue</i>	9201516	
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	
		2	3/0	45 cm	<i>blue</i>	9201519-45	
		2	3/0	75 cm	<i>blue</i>	9201519	
		3	2/0	75 cm	<i>blue</i>	9301519	

 Reverse cutting			Metric	USP	Length		Order number
	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
	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
	DS 24 mm Easy Pass		3	2/0	50 cm	<i>blue</i>	9301524P

 Reverse cutting			Metric	USP	Length		Order number
	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	<i>blue</i>	9201426
			3	2/0	75 cm	<i>blue</i>	9301426





# 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




## CHARACTERISTICS







- High tensile strength, non absorbable
- Synthetic
- Twisted structure
- Multifilament in a sheath
- Pliability and softness
- Hermetically sealed packing




## BENEFITS










- Excellent and permanent tissue support
- 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
- Good handling properties  
Easy and secure knotting
- Guaranteed seal and product sterility




 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




 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

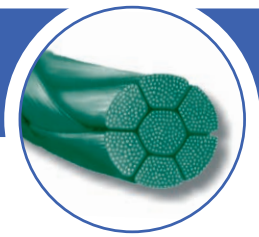
 Reverse cutting			Metric	USP	Length		Order number
<b>1/2 circle</b> 	HS 17 mm		1.5	4/0	75 cm	<i>black</i>	4151417
			2	3/0	75 cm	<i>black</i>	4201417
	HS 20 mm		1	5/0	75 cm	<i>black</i>	4101420
			1.5	4/0	75 cm	<i>black</i>	4151420
			2	3/0	75 cm	<i>black</i>	4201420
	HS 22 mm		1.5	4/0	75 cm	<i>black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

 Reverse cutting			Metric	USP	Length		Order number
	DS 12 mm		0.7	6/0	75 cm	<i>black</i>	4071512
			1	5/0	75 cm	<i>black</i>	4101512
			1.5	4/0	45 cm	<i>black</i>	4151512
	DS 16 mm		0.7	6/0	75 cm	<i>black</i>	4071516
			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
			3	2/0	75 cm	<i>black</i>	4301519
	DS 19 mm Easy Pass		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	

 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



# POLYESTER


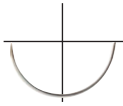


<b>Type</b>	Braided multifilament
<b>Composition</b>	Polyester - a polymer of polyethylene terephthalate
<b>Coating</b>	Silicone
<b>Colour</b>	Green White
<b>Tissue reaction</b>	Minimal
<b>Absorption</b>	Non absorbable, gradually encapsulated by connective tissue
<b>Presentation</b>	Box with 12 sutures




## CHARACTERISTICS




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








## BENEFITS


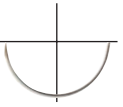




- Excellent and permanent tissue support
- Use in cardiovascular surgery (heart prosthesis)
- Minimal tissue reaction
- Excellent handling properties  
High flexibility  
High tensile strength  
Excellent knot security
- Soft passage through the tissues with minimal sawing, tissue drag and trauma  
Good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

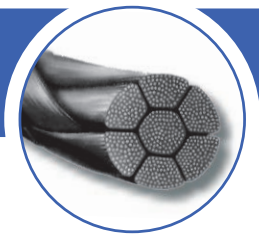
 Round bodied taper point	Metric	USP	Length	Order number	
<b>1/2 circle</b> 	HR 16 mm 	1	5/0	75 cm	<i>green</i> 7100116
		1.5	4/0	75 cm	<i>green</i> 7150116
	HR 20 mm 	2	3/0	75 cm	<i>green</i> 7200116
		1.5	4/0	75 cm	<i>green</i> 7150120
		2	3/0	75 cm	<i>green</i> 7200120

 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	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

 Reverse cutting	Metric	USP	Length	Order number	
<b>3/8 circle</b> 	DS 12 mm 	1	5/0	45 cm	<i>green</i> 7101512
		1	5/0	75 cm	<i>green</i> 7101516
	DS 16 mm 	1.5	4/0	75 cm	<i>green</i> 7151516
		2	3/0	75 cm	<i>green</i> 7201516
	DS 19 mm 	1	5/0	75 cm	<i>green</i> 7101519
		1.5	4/0	75 cm	<i>green</i> 7151519
		2	3/0	75 cm	<i>green</i> 7201519
	DS 19 mm black 	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

 Reverse cutting	Metric	USP	Length	Order number	
<b>1/2 circle</b> 	HS 17 mm 	1.5	4/0	75 cm	<i>green</i> 7151417
		2	3/0	75 cm	<i>green</i> 7201417
	HS 20 mm 	3	2/0	75 cm	<i>green</i> 7301420
	HS 22 mm 	2	3/0	75 cm	<i>green</i> 7201422
	HS 26 mm 	2	3/0	75 cm	<i>green</i> 7201426
		3	2/0	75 cm	<i>green</i> 7301426



# SILK BRAIDED BLACK

<b>Type</b>	Braided multifilament
<b>Composition</b>	Braided fibres from the cocoon of the silkworm
<b>Coating</b>	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

## CHARACTERISTICS





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

## BENEFITS

- Excellent and permanent 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

## CONTRAINDICATIONS

Known allergies or sensitivities to silk

 Round bodied taper point	Metric	USP	Length	Order number
HR 12 mm 	0.7	6/0	45 cm	<i>black</i> 8070112
	1	5/0	45 cm	<i>black</i> 8100112
	1.5	4/0	75 cm	<i>black</i> 8150112
HR 16 mm 	0.7	6/0	45 cm	<i>black</i> 8070116
	1	5/0	75 cm	<i>black</i> 8100116
	1.5	4/0	75 cm	<i>black</i> 8150116
	2	3/0	75 cm	<i>black</i> 8200116
HR 20 mm 	1	5/0	75 cm	<i>black</i> 8100120
	1.5	4/0	75 cm	<i>black</i> 8150120
	2	3/0	75 cm	<i>black</i> 8200120
	3	2/0	75 cm	<i>black</i> 8300120



### Round bodied taper point

Metric

USP

Length

Order number

3/8 circle



DR 16 mm



1.5

4/0

75 cm

*black*

8150216

2

3/0

75 cm

*black*

8200216



### Reverse cutting

Metric

USP

Length

Order number

3/8 circle



DS 12 mm



0.5

7/0

45 cm

*black*

8051512

0.7

6/0

45 cm

*black*

8071512

1

5/0

45 cm

*black*

8101512

1.5

4/0

75 cm

*black*

8151512

2

3/0

75 cm

*black*

8201512

DS 12 mm  
Easy Pass



0.7

6/0

50 cm

*black*

8071512P

DS 14 mm



0.7

6/0

45 cm

*black*

8071514

DS 16 mm



0.7

6/0

75 cm

*black*

8071516

1

5/0

75 cm

*black*

8101516

1.5

4/0

75 cm

*black*

8151516

2

3/0

75 cm

*black*

8201516

3

2/0

75 cm

*black*

8301516

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

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

 Reverse cutting			Metric	USP	Length	Order number
	HS 12 mm		0.7	6/0	75 cm	<i>black</i> 8071412
			1	5/0	75 cm	<i>black</i> 8101417
			1.5	4/0	75 cm	<i>black</i> 8151417
	HS 17 mm		2	3/0	75 cm	<i>black</i> 8201417
			1.5	4/0	75 cm	<i>black</i> 8151420
			2	3/0	75 cm	<i>black</i> 8201420
	HS 20 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 22 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
	HS 26 mm		2	3/0	75 cm	<i>black</i> 8201426
			3	2/0	75 cm	<i>black</i> 8301426
			1.5	4/0	75 cm	<i>black</i> 8151426

 Round bodied taper cutting point			Metric	USP	Length	Order number
	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
	HRT 27 mm		3	2/0	75 cm	<i>black</i> 8300518
			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
	DRT 18 mm		1.5	4/0	75 cm	<i>black</i> 8150418
			2	3/0	75 cm	<i>black</i> 8200418





# *SPECIALITY PRODUCTS*

*For quality  
&  
safety*

**smi**

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

# SPECIALITY PRODUCTS

## 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

## Scalpel handles

**COMPOSITION:** Stainless Steel

**PRESENTATION:** 10/ box



N° 3 ZBH3



N° 4 ZBH4

## Stitch Cutter



**ZBS**

## 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:**

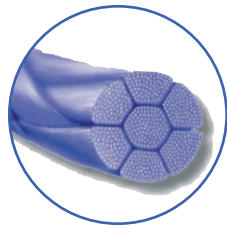
For use in various surgical procedures. Intended for haemostatic use by applying to a bleeding surface. Non pyrogenic and biocompatible.

- |                       |                 |                  |
|-----------------------|-----------------|------------------|
| 1. <b>STANDARD</b>    | 80 x 50 x 10 mm | <b>ZHG805010</b> |
| 2. <b>DENTAL CUBE</b> | 10 x 10 x 10 mm | <b>ZHG101010</b> |

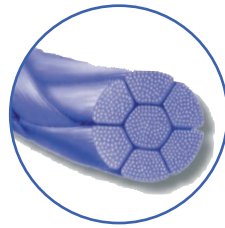


# SUTURE MATERIALS

## ABSORBABLE SUTURES



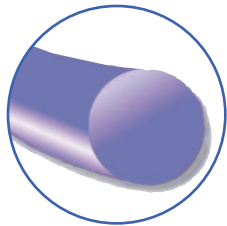
**SURGICRYL®**  
910  
POLYGLACTINE



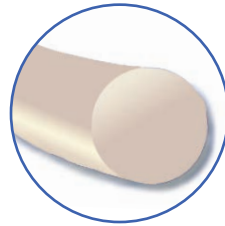
**SURGICRYL®**  
PGA  
POLYGLYCOLIC ACID



**SURGICRYL®**  
RAPID  
POLYGLYCOLIC ACID

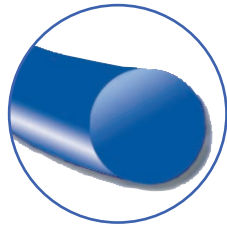


**SURGICRYL®**  
MONOFILAMENT  
POLYDIOXANONE



**SURGICRYL®**  
MONOFAST  
POLYGLYCAPRONE 25

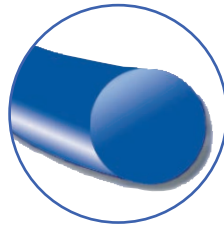
## NON-ABSORBABLE SUTURES



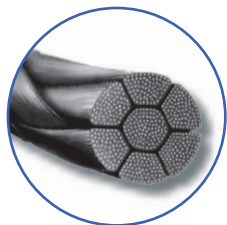
**POLYPROPYLENE**  
BLUE



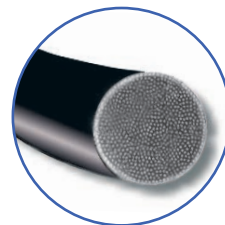
**POLYESTER**



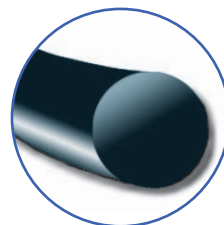
**DACLON**  
NYLON  
BLUE



**SILK**  
BRAIDED  
BLACK



**SUPRAMID**  
BLACK



**DACLON**  
NYLON  
BLACK



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