



# SURGICAL SUTURES

## DENTAL



LUXSUTURES is specialized in the manufacturing of surgical sutures. The company is located in Luxemburg, in the heart of Europe, between Belgium, France and Germany.

LUXSUTURES products are recognized by surgeons around the world, enjoying market and surgeon acceptance based on our high quality standards, growing range of products, as well as fair and competitive prices.

LUXSUTURES maintains quality standards based on the most demanding international regulations, such as EN ISO 9001 and 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. Excellence in quality and service are our key to customer satisfaction.

This catalogue contains information about the full range of LUXSUTURES 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 increasing our product range based on market developments and customer needs.

LUXSUTURES offers a large range of products which enables surgeons to operate in many different surgical specializations.

## CERTIFICATES



# Suture materials

## ABSORBABLE SUTURES

Loss of tensile strength over time:



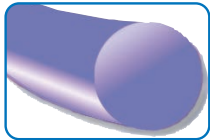
SYNTHETIC ABSORBABLE SURGICAL SUTURE  
**LUXCRYL 910**  
POLYGLACTINE 910 BRAIDED



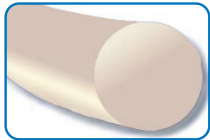
SYNTHETIC ABSORBABLE SURGICAL SUTURE  
**LUXCRYL PGA**  
POLYGLYCOLIC ACID BRAIDED



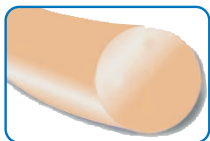
SYNTHETIC ABSORBABLE SURGICAL SUTURE  
**LUXCRYL PGA RAPID**  
POLYGLYCOLIC ACID BRAIDED



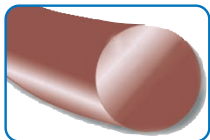
SYNTHETIC ABSORBABLE SURGICAL SUTURE  
**LUXCRYL PDO**  
POLYDIOXANONE MONOFILAMENT



SYNTHETIC ABSORBABLE SURGICAL SUTURE  
**LUXCRYL MONOFAST**  
POLYGLYCAPRONE 25



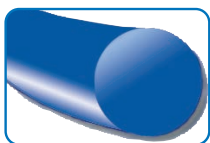
ABSORBABLE SURGICAL SUTURE  
**CATGUT PLAIN**



ABSORBABLE SURGICAL SUTURE  
**CATGUT CHROM**



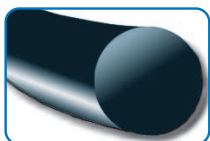
## NON-ABSORBABLE SUTURES



NONABSORBABLE SURGICAL SUTURE  
**LUXYLENE**  
POLYPROPYLENE MONOFILAMENT



NONABSORBABLE SURGICAL SUTURE  
**LUXAMID**  
NYLON BLUE



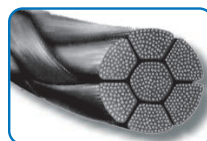
NONABSORBABLE SURGICAL SUTURE  
**LUXAMID**  
NYLON BLACK



NONABSORBABLE SURGICAL SUTURE  
**SUPRAMID**  
POLYAMID BLACK



NONABSORBABLE SURGICAL SUTURE  
**LUXPET**  
POLYESTER BRAIDED



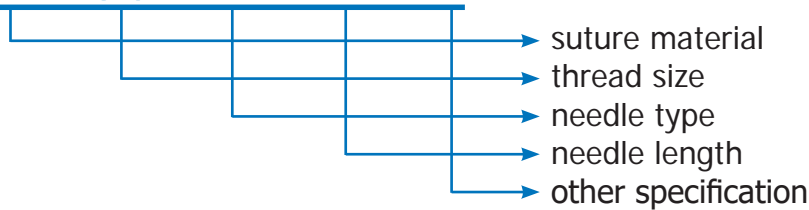
NONABSORBABLE SURGICAL SUTURE  
**SILKBRAIDED**  
BLACK

# ORDER NUMBER SPECIFICATION –



## FOIL PACKS

### PL 30 HR 22 - X



#### SUTURE MATERIAL

PL	Luxcryl 910 polyglactine 910
PG	Luxcryl PGA polyglycolic acid
PGR	Luxcryl PGA Rapid polyglycolic acid
PD	Luxcryl PDO polydioxanone
CP	Catgut Plain
CC	Catgut Chrom
PP	Luxylene polypropylene
NY	Luxamid nylon
SB	Supramid polyamid
SI	Silk
PE	Luxpet polyester

#### NEEDLE LENGTH

mm

#### THREAD SIZE

USP

#### OTHER SPECIFICATION

P	premium needle
U	undyed suture
UP	undyed suture, premium needle

#### NEEDLE TYPE

●	HR	1/2 circle • round bodied • taper point
	DR	3/8 circle • round bodied • taper point
	VR	1/4 circle • round bodied • taper point
	FR	5/8 circle • round bodied • taper point
	GR	straight • round bodied • taper point
	JR	J-needle • round bodied • taper point
⊙	HRT	1/2 circle • round bodied • tapercut point
	DRT	3/8 circle • round bodied • tapercut point
	JRT	J-needle • round bodied • tapercut point
▼	HS	1/2 circle • reverse cutting
	DS	3/8 circle • reverse cutting
▲	NH	1/2 circle • cutting
	NS	3/8 circle • cutting
	GS	straight • cutting
◄	HSP	1/2 circle • side cutting spatula
	DSP	3/8 circle • side cutting spatula
	VSP	1/4 circle • side cutting spatula
	GSP	straight • side cutting spatula
●	CC	3/8 circle • soft cutting point • coronary
●	DRB	3/8 circle • blunt needle
○	WN	without needle







## SYNTHETIC ABSORBABLE SURGICAL SUTURE







# LUXCRYL 910

## POLYGLACTINE 910 BRAIDED

TYPE	Braided and coated multifilament	
COMPOSITION	Polyglactine 910, a copolymer made of 90% glycolide and 10%L-lactide	
COATING	Poly-glycolide-co-L-lactide and calcium stearate (<1%)	
TISSUE REACTION	Minimal	
ABSORPTION	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.	
TENSILE STRENGTH	Post implantation	Approximate % original strength remaining
	14 days	75 %
	21 days	50 %
	28 days	20 %
SUTURE COLOUR	Violet	
RANGE	USP 6/0 - 2/0	
INDICATIONS	Luxcryl 910 sutures are intended for use in general soft tissue closing and/or ligation; especially in general surgery, skin closure, gastrointestinal surgery, plastic surgery, ophthalmic surgery, gynaecology, obstetrics, orthopaedics, urology	




 Round bodied needle – taper point – 1/2 circle						
NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
HR13 13 mm 	0.7	6/0	75 cm	violet		PL60HR13
	1	5/0	75 cm	violet		PL50HR13
	1.5	4/0	75 cm	violet		PL40HR13
HR17 17 mm 	1	5/0	75 cm	violet		PL50HR17
	1.5	4/0	75 cm	violet		PL40HR17
	2	3/0	75 cm	violet		PL30HR17
HR20 20 mm 	1.5	4/0	75 cm	violet		PL40HR20
HR22 22 mm 	1.5	4/0	75 cm	violet		PL40HR22
	2	3/0	75 cm	violet		PL30HR22
	3	2/0	75 cm	violet		PL20HR22
HR26 26 mm 	1.5	4/0	75 cm	violet		PL40HR26
	2	3/0	75 cm	violet		PL30HR26
	2	3/0	90 cm	violet		PL30HR26-90
	3	2/0	75 cm	violet		PL20HR26

 Reverse cutting needle – 3/8 circle						
NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
DS12 12 mm 	0.7	6/0	45 cm	violet		PL60DS12
	1	5/0	45 cm	violet		PL50DS12
DS16 16 mm 	0.7	6/0	45 cm	violet		PL60DS16
	0.7	6/0	45 cm	undyed		PL60DS16-U
	1	5/0	75 cm	violet		PL50DS16
	1.5	4/0	75 cm	violet		PL40DS16
	1.5	4/0	75 cm	undyed		PL40DS16-U
	2	3/0	75 cm	violet		PL30DS16
DS19 19 mm 	1	5/0	75 cm	violet		PL50DS19
	1	5/0	75 cm	undyed		PL50DS19-U
	1.5	4/0	75 cm	violet		PL40DS19
	1.5	4/0	75 cm	undyed		PL40DS19-U
	2	3/0	75 cm	violet		PL30DS19
	2	3/0	75 cm	undyed		PL30DS19-U
DS24 24 mm 	1.5	4/0	75 cm	violet		PL40DS24
	2	3/0	75 cm	violet		PL30DS24
	2	3/0	90 cm	violet		PL30DS24-90
	3	2/0	75 cm	violet		PL20DS24
DS26 26 mm 	3	2/0	90 cm	violet		PL20DS26-90




Round bodied needle – tapercut point – 1/2 circle

NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
HRT18 18 mm 	1.5	4/0	75 cm	violet		PL40HRT18



Reverse cutting needle – 1/2 circle

NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
HS26 26 mm 	2	3/0	75 cm	violet		PL30HS26
	3	2/0	75 cm	violet		PL20HS26

## SYNTHETIC ABSORBABLE SURGICAL SUTURE






# LUXCRYL PDO







## POLYDIOXANONE MONOFILAMENT

TYPE	Monofilament	
COMPOSITION	Polydioxanone, a polymer made from polyester poly (p-dioxanone)	
COATING	None	
TISSUE REACTION	Minimal	
ABSORPTION	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.	
TENSILE STRENGTH	Post implantation	Approximate % original strength remaining
	28 days	70 %
	42 days	50 %
	56 days	20 %
SUTURE COLOUR	Violet	
RANGE	USP 6/0 - 2/0	
INDICATIONS	Luxcryl PDO sutures are intended for use in general soft tissue closing; especially in general surgery, gastrointestinal surgery, ophthalmic surgery, orthopaedics, abdominal wall closure, gynaecology, plastic surgery, urology	





 Round bodied needle – taper point – 1/2 circle								
NEEDLE			EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
HR13	13 mm		0.7	6/0	75 cm	violet		PD60HR13
HR17	17 mm		1	5/0	75 cm	violet		PD50HR17
			1.5	4/0	75 cm	violet		PD40HR17
HR22	22 mm		1.5	4/0	75 cm	violet		PD40HR22
			2	3/0	75 cm	violet		PD30HR22
HR26	26 mm		1.5	4/0	75 cm	violet		PD40HR26
			2	3/0	75 cm	violet		PD30HR26
			3	2/0	75 cm	violet		PD20HR26

 Reverse cutting needle – 3/8 circle								
NEEDLE			EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
DS12	12 mm		0.7	6/0	45 cm	violet		PD60DS12
			1	5/0	45 cm	violet		PD50DS12
DS16	16 mm		1	5/0	45 cm	violet		PD50DS16
			1.5	4/0	75 cm	violet		PD40DS16
DS19	19 mm		1	5/0	45 cm	violet		PD50DS19
			1	5/0	75 cm	violet		PD50DS19-75
			1.5	4/0	75 cm	violet		PD40DS19
DS24	24 mm		2	3/0	75 cm	violet		PD30DS24
			3	2/0	75 cm	violet		PD20DS24
			3	2/0	90 cm	violet		PD20DS24-90
DS26	26 mm		2	3/0	75 cm	violet		PD30DS26
			2	3/0	90 cm	violet		PD30DS26-90

SYNTHETIC ABSORBABLE SURGICAL SUTURE

# LUXCRYL MONOFAST



POLYGLECAPRONE 25

TYPE	Monofilament						
COMPOSITION	Polyglecaprone 25, a copolymer made of 75 % glycolide and 25 % $\epsilon$ -caprolactone						
COATING	None						
TISSUE REACTION	Minimal						
ABSORPTION	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.						
TENSILE STRENGTH	<table><thead><tr><th>Post implantation</th><th>Approximate % original strength remaining</th></tr></thead><tbody><tr><td>7 days</td><td>60 %</td></tr><tr><td>14 days</td><td>30 %</td></tr></tbody></table>	Post implantation	Approximate % original strength remaining	7 days	60 %	14 days	30 %
Post implantation	Approximate % original strength remaining						
7 days	60 %						
14 days	30 %						
SUTURE COLOUR	Violet, beige - undyed						
RANGE	USP 5/0 - 2/0						
INDICATIONS	Luxcryl Monofast sutures are intended for use in superficial soft tissue closing and/or ligation; especially in general surgery, skin closure, plastic surgery, gastrointestinal surgery, gynaecology, urology						










Round bodied needle – taper point – 1/2 circle

NEEDLE		EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
HR22	22 mm 	1.5	4/0	75 cm	violet		PC40HR22
HR26	26 mm 	2	3/0	75 cm	violet		PC30HR26
		3	2/0	75 cm	violet		PC20HR26



Reverse cutting needle – 3/8 circle

NEEDLE		EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
DS12	12 mm 	0.7	6/0	45 cm	undyed		PC60DS12
		0.7	6/0	45 cm	violet		PC60DS12-V
		0.7	6/0	75 cm	violet		PC60DS12-75V
DS16	16 mm 	1	5/0	45 cm	undyed		PC50DS16
		1	5/0	45 cm	violet		PC50DS16-V
		1	5/0	75 cm	violet		PC50DS16-75V
		1.5	4/0	75 cm	violet		PC40DS16-V
DS19	19 mm 	1	5/0	45 cm	undyed		PC50DS19
		1	5/0	45 cm	violet		PC50DS19-V
		1	5/0	75 cm	violet		PC50DS19-75V
		1.5	4/0	75 cm	undyed		PC40DS19
		1.5	4/0	75 cm	violet		PC40DS19-V
		2	3/0	75 cm	undyed		PC30DS19
		2	3/0	75 cm	violet		PC30DS19-V
DS19	19 mm black 	1	5/0	75 cm	violet		PC50DS19-75VB
DS24	24 mm 	2	3/0	75 cm	undyed		PC30DS24
		2	3/0	75 cm	violet		PC30DS24-V
		3	2/0	75 cm	undyed		PC20DS24
		3	2/0	75 cm	violet		PC20DS24-V









# NONABSORBABLE SURGICAL SUTURE



# LUXYLENE



## POLYPROPYLENE MONOFILAMENT





TYPE	Monofilament
COMPOSITION	Polypropylene, a polymer of propylene
COATING	None
TISSUE REACTION	Minimal
ABSORPTION	Non absorbable
SUTURE COLOUR	Blue
RANGE	USP 8/0 - 2/0
INDICATIONS	Luxylene sutures are intended for use in general soft tissue closing and/or ligation; especially in ophthalmic surgery, plastic surgery, skin closure, orthopaedics, hernias (also as a mesh), gastrointestinal surgery, general surgery, gynaecology, obstetrics



 Round bodied needle – taper point – 1/2 circle							
NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER	
HR08 8 mm 	0.4	8/0	60 cm	blue	double armed needle	PP80HR08-D	
	0.5	7/0	60 cm	blue	double armed needle	PP70HR08-D	
HR10 10 mm 	0.5	7/0	45 cm	blue		PP70HR10	
	0.5	7/0	60 cm	blue	double armed needle	PP70HR10-D	
	0.7	6/0	60 cm	blue	double armed needle	PP60HR10-D	
HR13 13 mm 	0.7	6/0	45 cm	blue		PP60HR13	
	0.7	6/0	60 cm	blue	double armed needle	PP60HR13-D	
	1	5/0	60 cm	blue	double armed needle	PP50HR13-D	
HR15 15 mm 	1	5/0	75 cm	blue		PP50HR15	
HR16 16 mm 	1	5/0	90 cm	blue	double armed needle	PP50HR16-D	
	1.5	4/0	75 cm	blue		PP40HR16	
	1.5	4/0	90 cm	blue	double armed needle	PP40HR16-D	
HR20 20 mm 	1.5	4/0	75 cm	blue		PP40HR20	
	1.5	4/0	90 cm	blue	double armed needle	PP40HR20-D	
	2	3/0	75 cm	blue		PP30HR20	
HR25 25 mm 	1.5	4/0	75 cm	blue		PP40HR25	
	1.5	4/0	90 cm	blue	double armed needle	PP40HR25-D	
	2	3/0	75 cm	blue		PP30HR25	
	2	3/0	90 cm	blue	double armed needle	PP30HR25-D	
	3	2/0	75 cm	blue		PP20HR25	
	3	2/0	90 cm	blue	double armed needle	PP20HR25-D	

 Round bodied needle – taper point – 3/8 circle							
NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER	
DR13 13 mm 	0.7	6/0	75 cm	blue		PP60DR13	

 Round bodied needle – tapercut point – 1/2 circle							
NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER	
HRT25 25 mm 	3	2/0	90 cm	blue	double armed needle	PP20HRT25-D	

Reverse cutting needle – 3/8 circle						
NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
DS12 12 mm 	0.7	6/0	45 cm	blue		PP60DS12
	0.7	6/0	75 cm	blue		PP60DS12-75
	1	5/0	45 cm	blue		PP50DS12
DS16 16 mm 	0.7	6/0	45 cm	blue		PP60DS16
	1	5/0	45 cm	blue		PP50DS16
	1	5/0	75 cm	blue		PP50DS16-75
	1.5	4/0	45 cm	blue		PP40DS16-45
	1.5	4/0	75 cm	blue		PP40DS16
	2	3/0	75 cm	blue		PP30DS16
DS19 19 mm 	1	5/0	45 cm	blue		PP50DS19-45
	1	5/0	75 cm	blue		PP50DS19
	1.5	4/0	45 cm	blue		PP40DS19-45
	1.5	4/0	75 cm	blue		PP40DS19
	2	3/0	75 cm	blue		PP30DS19
DS24 24 mm 	1.5	4/0	75 cm	blue		PP40DS24
	2	3/0	75 cm	blue		PP30DS24
	3	2/0	75 cm	blue		PP20DS24

# LUXAMID

NYLON BLUE




## NONABSORBABLE SURGICAL SUTURE

TYPE	Monofilament
COMPOSITION	Extrusion of polyamide 6.0 or 6.6
COATING	None
TISSUE REACTION	Minimal
ABSORPTION	Non absorbable, gradually encapsulated by connective tissue. The thread mass diminishes, approximately 10% a year by rupture of chemical links (hydrolytic action).
SUTURE COLOUR	Blue, black
RANGE	USP 7/0 - 2/0
INDICATIONS	Luxamid sutures are intended for use in general soft tissue closing and/or ligation; especially in Luxamid blue: skin closure, general surgery, plastic surgery, gastrointestinal surgery, gynaecology, obstetrics, orthopaedics Luxamid black: plastic surgery, ophthalmic surgery










Round bodied needle – taper point – 1/2 circle

NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
HR16 16 mm 	1.5	4/0	75 cm	blue		NY40HR16
HR20 20 mm 	2	3/0	75 cm	blue		NY30HR20
HR26 26 mm 	3	2/0	75 cm	blue		NY20HR26





Reverse cutting needle – 3/8 circle

NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
DS12 12 mm 	0.5	7/0	75 cm	black		NY70DS12
	0.7	6/0	75 cm	black		NY60DS12
	1	5/0	75 cm	black		NY50DS12
	1.5	4/0	75 cm	blue		NY40DS12
DS16 16 mm 	0.7	6/0	75 cm	black		NY60DS16
	1	5/0	45 cm	black		NY50DS16-45
	1	5/0	75 cm	black		NY50DS16
	1.5	4/0	45 cm	blue		NY40DS16-45
	1.5	4/0	75 cm	blue		NY40DS16
	2	3/0	75 cm	blue		NY30DS16
DS19 19 mm 	1	5/0	75 cm	black		NY50DS19
	1.5	4/0	45 cm	blue		NY40DS19-45
	1.5	4/0	75 cm	blue		NY40DS19
	2	3/0	75 cm	blue		NY30DS19
	3	2/0	75 cm	blue		NY20DS19
DS24 24 mm 	1.5	4/0	75 cm	blue		NY40DS24
	1.5	4/0	45 cm	blue		NY40DS24-45
	2	3/0	75 cm	blue		NY30DS24
	3	2/0	75 cm	blue		NY20DS24
DS26 26 mm 	2	3/0	75 cm	blue		NY30DS26
	3	2/0	75 cm	blue		NY20DS26



Reverse cutting needle – 1/2 circle

NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
HS16 16 mm 	1	5/0	75 cm	black		NY50HS16
HS17 17 mm 	1.5	4/0	75 cm	blue		NY40HS17






# NONABSORBABLE SURGICAL SUTURE



# SUPRAMID



## POLYAMID 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>COATING</b>	None
<b>TISSUE REACTION</b>	Minimal
<b>ABSORPTION</b>	Non absorbable, gradually encapsulated by connective tissue
<b>SUTURE COLOUR</b>	Black
<b>RANGE</b>	USP 4/0 - 2/0
<b>INDICATIONS</b>	Supramid sutures are intended for use in general soft tissue closing and/or ligation; especially in skin closure













 <b>Round bodied needle – taper point – 1/2 circle</b>							
NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER	
HR16 16 mm 	1	5/0	75 cm	black		SB50HR16	
	1.5	4/0	75 cm	black		SB40HR16	
HR20 20 mm 	1.5	4/0	75 cm	black		SB40HR20	

 <b>Round bodied needle – taper point – straight</b>							
NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER	
GR22 22 mm 	1.5	4/0	50 cm	black		SB40GR22	

 <b>Round bodied needle – tapercut point – 3/8 circle</b>							
NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER	
DRT18 18 mm 	1.5	4/0	75 cm	black		SB40DRT18	
	2	3/0	75 cm	black		SB30DRT18	

 <b>Round bodied needle – tapercut point – 1/2 circle</b>							
NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER	
HRT16 16 mm 	1	5/0	75 cm	black		SB50HRT16	
HRT18 18 mm 	1.5	4/0	75 cm	black		SB40HRT18	
	2	3/0	75 cm	black		SB30HRT18	

 <b>Reverse cutting needle – 1/2 circle</b>							
NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER	
HS16 16 mm 	1	5/0	75 cm	black		SB50HS16	
HS17 17 mm 	1.5	4/0	75 cm	black		SB40HS17	
HS20 20 mm 	1	5/0	75 cm	black		SB50HS20	
	1.5	4/0	75 cm	black		SB40HS20	
	2	3/0	75 cm	black		SB30HS20	
HS22 22 mm 	1.5	4/0	75 cm	black		SB40HS22	

Reverse cutting needle – 3/8 circle								
NEEDLE			EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
DS12	12 mm		0.7	6/0	75 cm	black		SB60DS12
DS16	16 mm		0.7	6/0	75 cm	black		SB60DS16
			1	5/0	45 cm	black		SB50DS16-45
			1	5/0	75 cm	black		SB50DS16
			1.5	4/0	75 cm	black		SB40DS16-75
DS16	16 mm PREMIUM NEEDLE		1	5/0	45 cm	black		SB50DS16-P
DS19	19 mm		1	5/0	75 cm	black		SB50DS19
			1.5	4/0	75 cm	black		SB40DS19
			2	3/0	75 cm	black		SB30DS19
DS24	24 mm		3	2/0	75 cm	black		SB20DS24