



# SURGICAL SUTURES

## OPHTHALMIC CATALOGUE



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 13485.

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



Not all products are registered and approved for sale in all countries or regions. Please contact your country representative for product availability and information.

Printed versions or locally saved copies of the product information material may not be current. Please refer to our website for current information about our products.

For complete indications, contraindications, warnings, precautions, and adverse reactions, please reference full package insert.

# SUTURE MATERIALS

## ABSORBABLE SUTURES



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



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

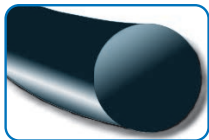
## NON-ABSORBABLE SUTURES



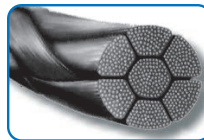
NONABSORBABLE SURGICAL SUTURE  
**LUXYLENE**  
 POLYPROPYLENE MONOFILAMENT



NONABSORBABLE SURGICAL SUTURE  
**LUXPET**  
 POLYESTER BRAIDED



NONABSORBABLE SURGICAL SUTURE  
**LUXAMID**  
 NYLON BLACK



NONABSORBABLE SURGICAL SUTURE  
**SILK BRAIDED**  
 BLACK

## NEEDLE TYPES

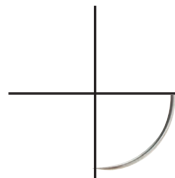
1/2 circle



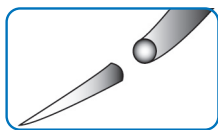
3/8 circle



1/4 circle

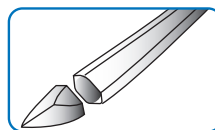


straight



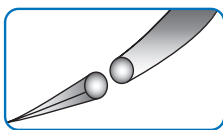
### ROUND BODIED TAPER POINT

A gradual taper to a round bodied needle.



### SIDE CUTTING SPATULA NEEDLES

Needle with cutting edges on the two sides.

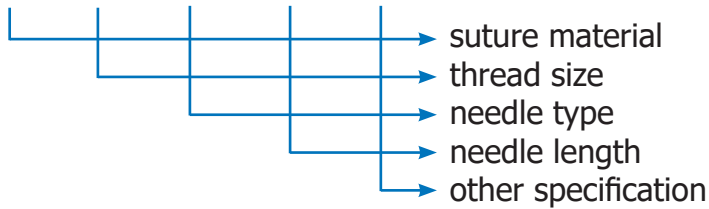


### ROUND BODIED TAPERCUT POINT

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

# ORDER NUMBER SPECIFICATION - FOIL PACKS

PL 30 HR 22 - x



## SUTURE MATERIAL

PL	Luxcryl 910 polyglactine 910
PG	Luxcryl PGA polyglycolic acid
PP	Luxylene polypropylene
NY	Luxamid nylon
PE	Luxpet polyester
SI	Silk black

## THREAD SIZE

USP

## NEEDLE TYPE

☺	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
⊙	I MDR	3/8 circle • round bodied micro needle • taper point

## NEEDLE LENGTH

mm

## OTHER SPECIFICATION

D	double needle
U	undyed suture




## 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	<b>Post implantation</b>	<b>Approximate % original strength remaining</b>
	14 days	75 %
	21 days	50 %
	28 days	20 %
SUTURE COLOUR	Violet, undyed	
RANGE	USP 8/0 - 5/0	



Side cutting spatula – 1/2 circle – double needle									
NEEDLE				EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
HSP060	6 mm	200 µm		0.4	8/0	45 cm	violet		PL80HSP060-D
HSP080	8 mm	200 µm		0.5	7/0	45 cm	violet		PL70HSP080-D
HSP080	8 mm	300 µm		0.7	6/0	45 cm	violet		PL60HSP080-D

Side cutting spatula – 3/8 circle – double needle									
NEEDLE				EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
DSP060	6 mm	200 µm		0.4	8/0	45 cm	violet		PL80DSP060-D
				0.5	7/0	45 cm	violet		PL70DSP060-D
DSP065	6.5 mm	200 µm		0.4	8/0	45 cm	violet		PL80DSP065-D
				0.5	7/0	45 cm	violet		PL70DSP065-D
DSP065	6.5 mm	250 µm		0.7	6/0	45 cm	violet		PL60DSP065-D

Side cutting spatula – 1/4 circle – double needle									
NEEDLE				EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
VSP065	6.5 mm	300 µm		0.7	6/0	45 cm	violet		PL60VSP065-D
VSP080	8 mm	300 µm		0.7	6/0	45 cm	violet		PL60VSP080-D
				0.7	6/0	20 cm	undyed		PL60VSP080-DU
VSP080	8 mm	350 µm		1	5/0	45 cm	violet		PL50VSP080-D






## SYNTHETIC ABSORBABLE SURGICAL SUTURE



# LUXCRYL PGA

POLYGLYCOLIC ACID BRAIDED

<b>TYPE</b>	Braided and coated multifilament	
<b>COMPOSITION</b>	Polyglycolic acid	
<b>COATING</b>	Polycaprolactone and calcium stearate (1%)	
<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>TENSILE STRENGTH</b>	<b>Post implantation</b>	<b>Approximate % original strength remaining</b>
	14 days	70 %
	21 days	50 %
	28 days	20 %
<b>SUTURE COLOUR</b>	Violet	
<b>RANGE</b>	USP 8/0 - 5/0	



Side cutting spatula – 3/8 circle – double needle									
NEEDLE				EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
DSP060	6 mm	200 µm		0.4	8/0	45 cm	violet		PG80DSP060-D
				0.5	7/0	45 cm	violet		PG70DSP060-D
DSP062	6.2 mm	150 µm		0.2	10/0	30 cm	violet	MONOFILAMENT	PG10DSP062-D
DSP064	6.4 mm	200 µm		0.3	9/0	30 cm	violet	MONOFILAMENT	PG90DSP064-D
DSP065	6.5 mm	250 µm		0.7	6/0	45 cm	violet		PG60DSP065-D
DSP085	8.5 mm	430 µm		1.5	4/0	45 cm	violet		PG40DSP085-D

Side cutting spatula – 1/4 circle – double needle									
NEEDLE				EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
VSP080	8 mm	300 µm		0.7	6/0	45 cm	violet		PG60VSP080-D
VSP080	8 mm	350 µm		1	5/0	45 cm	violet		PG50VSP080-D




# 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 10/0



 Side cutting spatula – 3/8 circle – double needle						
NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
DSP064 6.4 mm 200 µm	0.2	10/0	30 cm	blue		PP10DSP064-D
	0,3	9/0	30 cm	blue		PP90DSP064-D

 Side cutting spatula – straight						
NEEDLE	EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
GSP16 16.15 mm 150 µm 	0.2	10/0	20 cm	blue		PP10GSP16-D

# 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	Black
RANGE	USP 10/0 - 5/0



Side cutting spatula – 1/2 circle – double needle									
NEEDLE				EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
HSP062	6.2 mm	150 µm		0.2	10/0	30 cm	black		NY10HSP062-D

Side cutting spatula – 3/8 circle – double needle									
NEEDLE				EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
DSP060	6 mm	150 µm		0.2	10/0	30 cm	black		NY10DSP060-D
DSP062	6.2 mm	150 µm		0.2	10/0	30 cm	black		NY10DSP062-D
				0.3	9/0	30 cm	black		NY90DSP062-D
				0.4	8/0	30 cm	black		NY80DSP062-D
DSP062	6.2 mm	200 µm		0.5	7/0	30 cm	black		NY70DSP062-D
DSP064	6.4 mm	220 µm		0.2	10/0	30 cm	black		NY10DSP064-D
				0.2	10/0	38 cm	black		NY10DSP064-D-38
DSP080	8 mm	300 µm		0.7	6/0	45 cm	black		NY60DSP080-D

Side cutting spatula – 3/8 circle									
NEEDLE				EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
DSP062	6.2 mm	150 µm		0.2	10/0	15 cm	black		NY10DSP062

Round bodied micro needle – taper point – 3/8 circle									
NEEDLE				EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
MDR041	4.1 mm	100 µm		0,1	11/0	10 cm	black		NY11MDR041-100
MDR051	5.1 mm	100 µm		0.2	10/0	15 cm	black		NY10MDR051-100
				0.3	9/0	15 cm	black		NY90MDR051-100
MDR051	5.1 mm	150 µm		0.4	8/0	15 cm	black		NY80MDR051-150
MDR064	6.4 mm	150 µm		0.4	8/0	15 cm	black		NY80MDR064-150





## NONABSORBABLE SURGICAL SUTURE

### POLYESTER BRAIDED

<b>TYPE</b>	Braided multifilament
<b>COMPOSITION</b>	Polyester - a polymer of polyethylene terephthalate
<b>COATING</b>	Silicone
<b>TISSUE REACTION</b>	Minimal
<b>ABSORPTION</b>	Non absorbable, gradually encapsulated by connective tissue
<b>SUTURE COLOUR</b>	White
<b>RANGE</b>	USP 5/0 - 4/0



 Side cutting spatula – 1/4 circle – double needle									
NEEDLE				EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
VSP080	8 mm	350 µm		1	5/0	45 cm	white		PE50VSP080-D
VSP080	8 mm	430 µm		1.5	4/0	45 cm	white		PE40VSP080-D





# NONABSORBABLE SURGICAL SUTURE



## SILK BRAIDED

### BLACK

TYPE	Braided multifilament
COMPOSITION	Braided fibres from the cocoon of the silkworm
COATING	Silicone
TISSUE REACTION	Moderate
ABSORPTION	Silk suture elicits an initial inflammatory reaction in tissues, which is followed by gradual encapsulation of the suture by fibrous connective tissues
SUTURE COLOUR	Black
RANGE	USP 8/0 - 5/0



 Side cutting spatula – 3/8 circle – double needle									
NEEDLE				EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
DSP065	6.5 mm	200 µm		0.4	8/0	45 cm	black		SI80DSP065-D
DSP065	6.5 mm	250 µm		0.5	7/0	45 cm	black		SI70DSP065-D
				0.7	6/0	45 cm	black		SI60DSP065-D
DSP080	8 mm	350 µm		1	5/0	30 cm	black		SI50DSP080-D

 Side cutting spatula – 1/4 circle – double needle									
NEEDLE				EP	USP	LENGTH	SUTURE COLOUR	OTHER INFORMATION	ORDER NUMBER
VSP080	8 mm	250 µm		0.7	6/0	45 cm	black		SI60VSP080-D





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