

smi

SUTURE MATERIALS

*For quality
&
safety*



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. 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 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 and Ophthalmology.

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

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.

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ORDER NUMBER SPECIFICATION

1 20 01 15 2 P

suture material

- 1 CATGUT Plain
- 2 CATGUT Chrom
- 4 SUPRAMID
- 5 POLYPROPYLENE
- 7 POLYESTER
- 8 SILK
- 9 DACLON Nylon
- 10 STEEL Monofilament
- 11 SURGICRYL[®] PGA Polyglycolic acid
- 13 SURGICRYL[®] Monofilament Polydioxanone
- 14 SURGICRYL[®] Rapid Polyglycolic acid
- 15 SURGICRYL[®] 910 Polyglactine
- 16 SURGICRYL[®] Monofast Polyglecaprone
- 21 PTFE Polytetrafluoroethylene

thread size

metric EP

needle type

- | | |
|---|-----|
| 03 5/8 circle • round bodied • taper point | FR |
| 01 1/2 circle • round bodied • taper point | HR |
| 09 1/2 circle • round bodied • taper point • loop | HR |
| 02 3/8 circle • round bodied • taper point | DR |
| 35 3/8 circle • round bodied micro needle • taper point | MDR |
| 07 1/4 circle • round bodied • taper point | VR |
| 20 straight • round bodied • taper point | GR |
| 30 J-needle • round bodied • taper point | JR |
| 05 1/2 circle • round bodied • taper cutting point | HRT |
| 04 3/8 circle • round bodied • taper cutting point | DRT |
| 31 J-needle • round bodied • taper cutting point | JRT |
| 26 3/8 circle • soft cutting point • coronary | CC |
| 27 straight • soft cutting point • coronary | GC |
| 14 1/2 circle • reverse cutting | HS |
| 15 3/8 circle • reverse cutting | DS |
| 16 1/2 circle • cutting | NH |
| 17 3/8 circle • cutting | NS |
| 21 straight • cutting | GS |
| 22 1/2 circle • side cutting spatula | HSP |
| 23 3/8 circle • side cutting spatula | DSP |
| 24 1/4 circle • side cutting spatula | VSP |
| 25 straight • side cutting spatula | GSP |
| 18 1/2 circle • round bodied • blunt needle | HRB |
| 19 3/8 circle • round bodied • blunt needle | DRB |
| 00 without needle | |

needle length

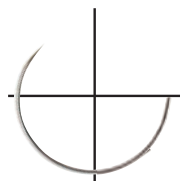
mm

double armed

- U undyed suture material
- P Easy Pass needle
- VB black needle

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.

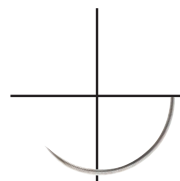
5/8 CIRCLE



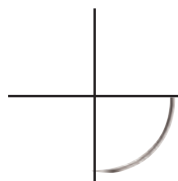
1/2 CIRCLE



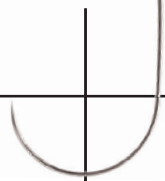
3/8 CIRCLE



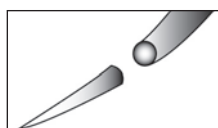
1/4 CIRCLE



J-NEEDLE

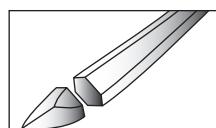


STRAIGHT



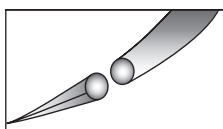
TAPER POINT

A gradual taper to a round bodied needle.



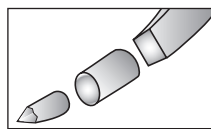
SIDE CUTTING SPATULA NEEDLES

Needle with cutting edges on the two sides.



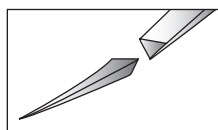
TAPER CUTTING POINT

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



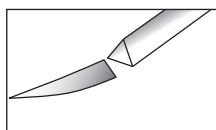
SOFT CUTTING POINT - CORONARY

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



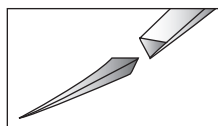
REVERSE CUTTING

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



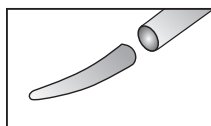
CONVENTIONAL CUTTING

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



EASY PASS NEEDLE

Precision point with extra sharpening.

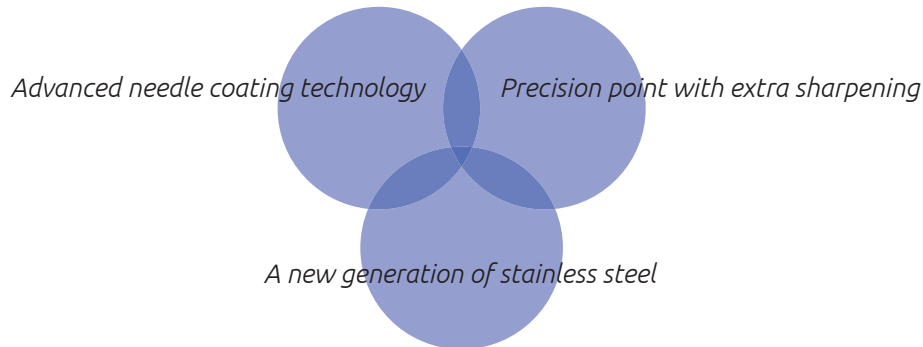


BLUNT NEEDLE

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

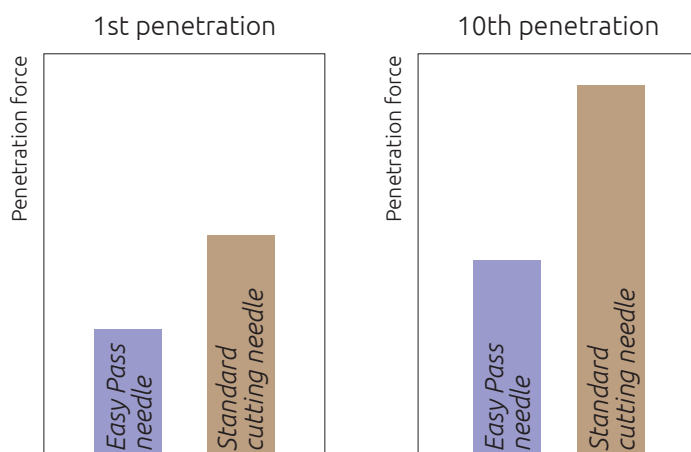
Excellent penetration to reduce patient trauma and to maintain intimal integrity
Optimal and predicable penetration
Long-lasting sharpness over a multiplicity of passes

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.



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ABSORBABLE SUTURES



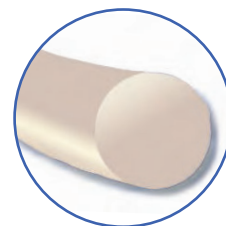
SURGICRYL®
910
POLYGLACTINE



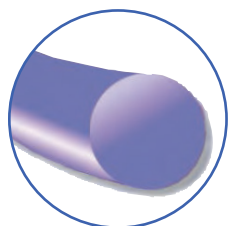
SURGICRYL®
PGA
POLYGLYCOLIC ACID



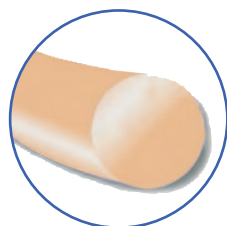
SURGICRYL®
RAPID
POLYGLYCOLIC ACID



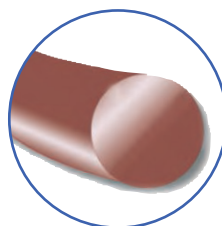
SURGICRYL®
MONOFAST
POLYGLICAPRONE 25



SURGICRYL®
MONOFILAMENT
POLYDIOXANONE

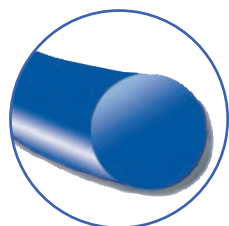


CATGUT
PLAIN



CATGUT
CHROM

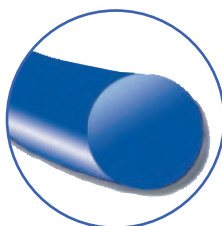
NON-ABSORBABLE SUTURES



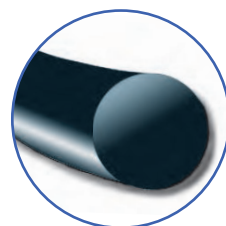
POLYPROPYLENE
BLUE



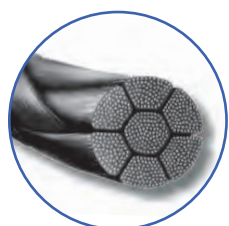
POLYESTER



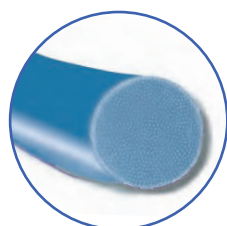
DACLON
NYLON
BLUE



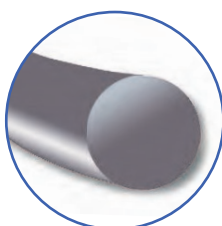
DACLON
NYLON
BLACK



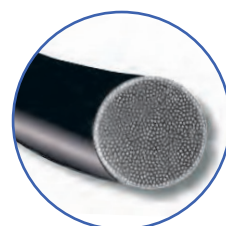
SILK
BRAIDED
BLACK



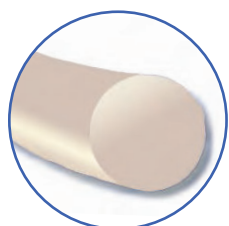
SILK
VIRGIN
BLUE



STEEL
MONOFILAMENT










SUPRAMID
BLACK



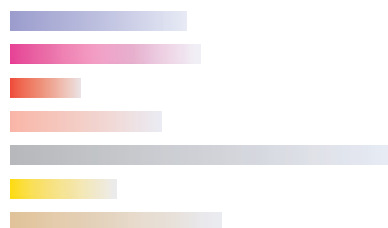
PTFE
WHITE

Sutures in foil packs








absorbable

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

Loss of tensile strength over time:






non-absorbable





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

Ophthalmic surgery

absorbable

-  SURGICRYL® PGA Polyglycolic acid
-  SURGICRYL® 910 Polyglactine
-  SURGICRYL® Rapid Polyglycolic acid

non-absorbable

-  SILK Braided
-  DACLON Nylon
-  POLYESTER
-  POLYPROPYLENE







Speciality products

Skin stapler & remover
Biopsy punch
Surgical suture rack
Polypropylene mesh
Skin marker
Pilomat - tablet crusher and splitter
Surgical blades & scalpel handles









SMI Spon - absorbable haemostatic gelatin sponge
SMI CEL
Bone wax
Cervix set
Bühner band
Surgical needles

Sutures in cassette packs

absorbable

-  SURGICRYL® PGA Polyglycolic acid
-  SURGICRYL® PGA Plus Polyglycolic acid
-  SURGICRYL® Monofilament Polydioxanone
-  SURGICRYL® Monofast Polyglecaprone
-  CATGUT Plain
-  CATGUT Chrom

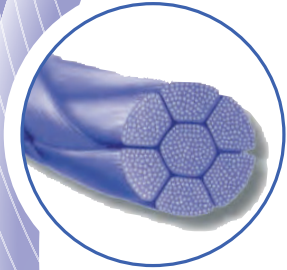
non-absorbable

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

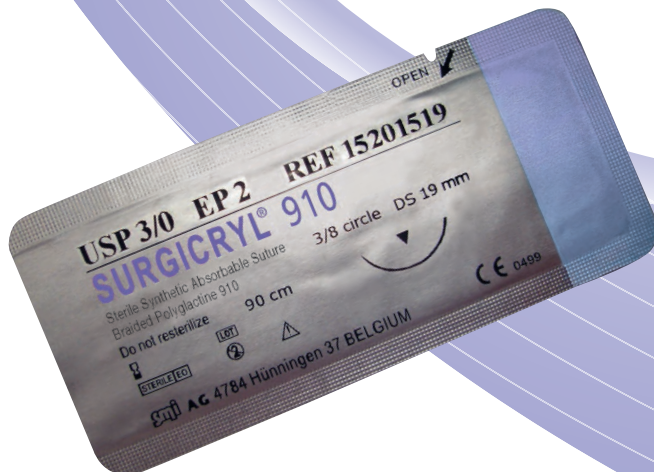
SURGICRYL®

910

POLYLACTINE



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%)
Colour	Violet
Tissue reaction	Minimal
Absorption	The hydrolytic action by which the material is broken down results in total absorption between 56 and 70 days. Approximately 50% of tensile strength remain after 21 days.
Presentation	Box with 12 sutures



*For quality
&
safety*



www.sutures.be

SURGICRYL[®] 910 POLYGLACTINE

CHARACTERISTICS

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

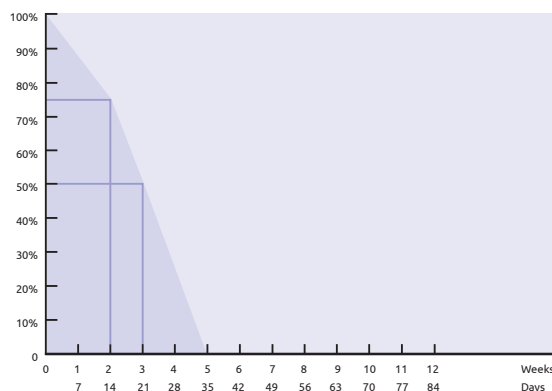
INDICATIONS General soft tissue closing and/or ligation
especially in General surgery
Skin closure
Gastrointestinal surgery
Plastic surgery
Ophthalmic surgery
Gynaecology
Obstetrics
Orthopaedics
Urology

BENEFITS

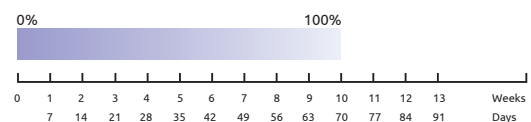
Excellent tissue support
Minimal tissue reaction
Predictable absorption rate
Excellent handling properties
High flexibility
High tensile strength
Excellent knot security
Soft passage through the tissues with minimal sawing, tissue drag and trauma
Good knot tie down / adjustability
Reduced capillary action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



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
		2	3/0	75 cm	<i>violet</i>	15200113
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
		3	2/0	75 cm	<i>violet</i>	15300117
HR 22 mm		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
		4	1	75 cm	<i>violet</i>	15400122
HR 26 mm		1	5/0	75 cm	<i>violet</i>	15100126
		1.5	4/0	75 cm	<i>violet</i>	15150126
		2	3/0	75 cm	<i>violet</i>	15200126
		3	2/0	75 cm	<i>violet</i>	15300126
		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
HR 30 mm		2	3/0	75 cm	<i>violet</i>	15200130
		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
		3.5	0	90 cm	<i>violet</i>	15350136
		4	1	90 cm	<i>violet</i>	15400136
		5	2	90 cm	<i>violet</i>	15500136



Round bodied taper point

1/2 circle

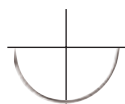


		Metric	USP	Length		Order number
HR 40 mm		2	3/0	75 cm	<i>violet</i>	15200140
		3	2/0	75 cm	<i>violet</i>	15300140
		3.5	0	75 cm	<i>violet</i>	15350140-75
		3.5	0	90 cm	<i>violet</i>	15350140
		4	1	75 cm	<i>violet</i>	15400140-75
		4	1	90 cm	<i>violet</i>	15400140
		5	2	75 cm	<i>violet</i>	15500140-75
		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
		5	2	90 cm	<i>violet</i>	15500148
HR 60 mm		4	1	75 cm	<i>violet</i>	15400160
		5	2	90 cm	<i>violet</i>	15500160
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
		5	2	100 cm	<i>violet</i>	15500180




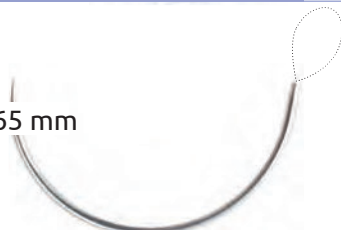






Round bodied taper point double armed


1/2 circle



		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	
<div>1/2 circle</div> 	 HR 45 mm	3.5	0	150 cm	<i>violet</i> 15350945
	 HR 65 mm	5	2	240 cm	<i>violet</i> 15500965







 Round bodied taper point			Metric	USP	Length		Order number
 5/8 circle	FR 26 mm		2	3/0	75 cm	violet	15200326
	FR 27 mm		3	2/0	75 cm	violet	15300327
			3.5	0	75 cm	violet	15350327
















Round bodied taper point

3/8 circle



			Metric	USP	Length		Order number
	DR 9 mm		0.4	8/0	45 cm	violet	15040209
			0.5	7/0	45 cm	violet	15050209
	DR 13 mm		1.5	4/0	75 cm	violet	15150213
	DR 17 mm		1	5/0	75 cm	violet	15100217
			1.5	4/0	45 cm	violet	15150217
			2	3/0	75 cm	violet	15200217
	DR 22 mm		1.5	4/0	75 cm	violet	15150222
			2	3/0	75 cm	violet	15200222
	DR 30 mm		4	1	75 cm	violet	15400230
	DR 32 mm		3.5	0	75 cm	violet	15350232

	Reverse cutting		Metric	USP	Length		Order number
1/2 circle 	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
			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
	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>	15351448
			4	1	90 cm	<i>violet</i>	15401448
			5	2	90 cm	<i>violet</i>	15501448

	Reverse cutting		Metric	USP	Length		Order number
3/8 circle 	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
			2	3/0	75 cm	<i>violet</i>	15201516



Reverse cutting

Metric

USP




Length





Order number



3/8 circle







DS 16 mm Easy Pass		2	3/0	50 cm	undyed	15201516UP
DS 16 mm black		0.7	6/0	45 cm	violet	15071516VB
DS 19 mm		1	5/0	75 cm	violet	15101519
		1.5	4/0	75 cm	violet	15151519
		2	3/0	75 cm	violet	15201519
		3	2/0	75 cm	violet	15301519
DS 19 mm Easy Pass		1.5	4/0	50 cm	undyed	15151519UP
		2	3/0	50 cm	undyed	15201519UP
DS 19 mm black		1	5/0	75 cm	violet	15101519VB
		1.5	4/0	75 cm	violet	15151519VB
DS 24 mm		1.5	4/0	75 cm	violet	15151524
		2	3/0	75 cm	violet	15201524
		3	2/0	75 cm	violet	15301524
		3.5	0	75 cm	violet	15351524
DS 24 mm Easy Pass		2	3/0	50 cm	undyed	15201524UP
DS 26 mm		2	3/0	75 cm	violet	15201526
		3	2/0	75 cm	violet	15301526
DS 26 mm Easy Pass		2	3/0	75 cm	undyed	15201526UP
		3	2/0	75 cm	undyed	15301526UP-75
DS 30 mm		2	3/0	75 cm	violet	15201530
		3	2/0	75 cm	violet	15301530
		3	2/0	90 cm	violet	15301530-90
		3.5	0	75 cm	violet	15351530
		3.5	0	90 cm	violet	15351530-90
		4	1	90 cm	violet	15401530-90
DS 30 mm Easy Pass		3	2/0	75 cm	undyed	15301530UP-75
DS 36 mm		3	2/0	75 cm	violet	15301536
		3.5	0	75 cm	violet	15351536
		4	1	75 cm	violet	15401536
DS 36 mm Easy Pass		2	3/0	75 cm	violet	15201536P
DS 40 mm		3.5	0	75 cm	violet	15351540
		4	1	75 cm	violet	15401540
DS 45 mm		3	2/0	75 cm	violet	15301545

 Reverse cutting		Metric	USP	Length		Order number
3/8 circle 	DS 80 mm	7	5	150 cm	<i>violet</i>	15701580
						

 Round bodied taper cutting point		Metric	USP	Length		Order number
1/2 circle 	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
	HRT 30 mm	3	2/0	75 cm	<i>violet</i>	15300530
		3.5	0	75 cm	<i>violet</i>	15350530
		4	1	75 cm	<i>violet</i>	15400530
	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
3/8 circle 	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
3/8 circle 	DRT 13 mm		1	5/0	<i>violet</i>	15100530-0413
1/2 circle 	HRT 30 mm					



Cutting

		Metric	USP	Length		Order number
Straight	GS 60 mm	2	3/0	75 cm	<i>violet</i>	15202160
		3	2/0	75 cm	<i>violet</i>	15302160



Blunt

		Metric	USP	Length		Order number
1/2 circle	HRB 36 mm	3.5	0	90 cm	<i>violet</i>	15351836
		4	1	90 cm	<i>violet</i>	15401836
	HRB 40 mm	3.5	0	90 cm	<i>violet</i>	15351840
		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
3/8 circle	DRB 63 mm	4	1	100 cm	<i>violet</i>	15401963
	DRB 85 mm	5	2	75 cm	<i>violet</i>	15501985



Micro needle taper point

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

SURGICRYL[®]

PGA

POLYGLYCOLIC ACID



Type	Braided and coated multifilament
Composition	Polyglycolic acid
Coating	Polycaprolactone and calcium stearate (1%)
Colour	Violet / Beige - undyed
Tissue reaction	Minimal
Absorption	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.
Presentation	Box with 12 sutures



*For quality
&
safety*

smi

www.sutures.be

SURGICRYL[®]

PGA

POLYGLYCOLIC ACID

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

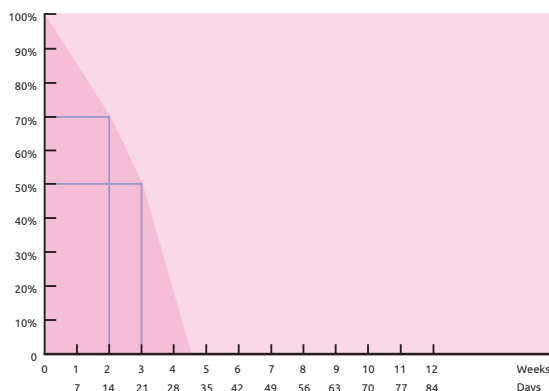
especially in General surgery
Skin closure
Gastrointestinal surgery
Gynaecology
Obstetrics
Plastic surgery
Urology
Ophthalmic surgery
Orthopaedics

CONTRAINDICATIONS Cardiovascular surgery
Neurosurgery

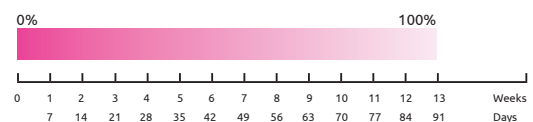
Being absorbable not to use when an extended wound support is required.

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
2	3/0	10 x 75 cm	<i>violet</i>	11200075-10
3	2/0	10 x 75 cm	<i>violet</i>	11300075-10
3.5	0	10 x 75 cm	<i>violet</i>	11350075-10
4	1	10 x 75 cm	<i>violet</i>	11400075-10
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
3	2/0	10 x 60 cm	<i>violet</i>	11300060
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	17 x 45 cm	<i>violet</i>	11200045-17
1.5	4/0	12 x 45 cm	<i>violet</i>	11150045
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








 Without needle	Metric	USP	Length		Order number
	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





 Without needle	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




Ligapack













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




 Round bodied taper point	Metric	USP	Length		Order number	
<div>1/2 circle</div> 	<div>HR 30 mm</div> 	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
		5	2	75 cm	<i>violet</i>	11500130
	<div>HR 36 mm</div> 	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
	<div>HR 40 mm</div> 	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	90 cm	<i>violet</i>	11500140
	<div>HR 48 mm</div> 	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
	<div>HR 65 mm</div> 	3	2/0	75 cm	<i>violet</i>	11300165




 Round bodied taper point		Metric	USP	Length	Order number	
	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	<i>violet</i> 11400225

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

 Round bodied taper point			Metric	USP	Length		Order number
 J-needle	JR 31 mm		4	1	90 cm	<i>violet</i>	11403031
	JR 36 mm		3	2/0	75 cm	<i>violet</i>	11303036
	JR 40 mm		3.5	0	75 cm	<i>violet</i>	11353036
	JR 40 mm		4	1	75 cm	<i>violet</i>	11403040

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

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

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



Round bodied taper cutting point

Metric

USP

Length

Order number

1/2 circle



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
		5	2	90 cm	<i>violet</i>	11500540
HRT 43 mm		3.5	0	150 cm	<i>violet</i>	11350543-150
HRT 48 mm		4	1	90 cm	<i>violet</i>	11400548



Reverse cutting

Metric

USP

Length

Order number

3/8 circle











DS 10 mm		0.5	7/0	45 cm	<i>violet</i>	11051510
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











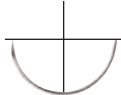

Reverse cutting




3/8 circle



		Metric	USP	Length		Order number
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	90 cm	<i>violet</i>	11151519-90
		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
		1.5	4/0	50 cm	<i>undyed</i>	11151519UP
		2	3/0	50 cm	<i>undyed</i>	11201519UP
		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
		2	3/0	50 cm	<i>undyed</i>	11201524UP
		3	2/0	50 cm	<i>undyed</i>	11301524UP
		3	2/0	100 cm	<i>violet</i>	11301526-100
		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	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
		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
<div>1/2 circle</div> 	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
	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
			5	2	90 cm	<i>violet</i>	11501440

 Reverse cutting		Metric	USP	Length		Order number
<div>1/2 circle</div> 	HS 48 mm 	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
Straight 	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

SURGICRYL[®]

RAPID

POLYGLYCOLIC ACID



Type	Braided and coated multifilament
Composition	Polyglycolic acid
Coating	Polycaprolactone and calcium stearate (1%)
Colour	Beige - undyed / Violet
Tissue reaction	Minimal
Absorption	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.
Presentation	Box with 12 sutures



*For quality
&
safety*

smi

www.sutures.be

SURGICRYL[®]

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

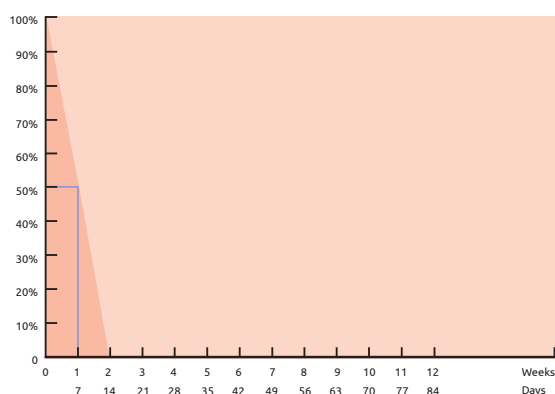
especially in Plastic surgery
Obstetrics (Episiotomy repair)
Gynaecology
Urology (Circumcision)
Ophthalmic surgery (Conjunctiva)
Pediatric surgery

CONTRAINDICATIONS Cardiovascular surgery
Neurosurgery
Ligation

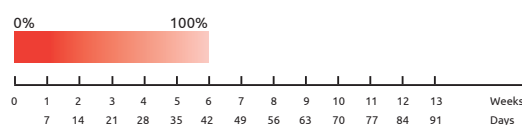
When wound support for more than 7 days is required.

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












1/2 circle









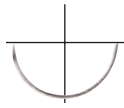



HR 13 mm		0.7	6/0	45 cm	<i>undyed</i>	14070113
		1	5/0	75 cm	<i>undyed</i>	14100113
HR 17 mm		1	5/0	75 cm	<i>undyed</i>	14100117
		1.5	4/0	75 cm	<i>undyed</i>	14150117
HR 22 mm		2	3/0	75 cm	<i>undyed</i>	14200117
		1.5	4/0	75 cm	<i>undyed</i>	14150122
HR 26 mm		2	3/0	75 cm	<i>undyed</i>	14200122
		3	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
		4	1	90 cm	<i>undyed</i>	14400136
HR 30 mm		3	2/0	75 cm	<i>undyed</i>	14300136
		3.5	0	90 cm	<i>undyed</i>	14350136
HR 40 mm		4	1	90 cm	<i>undyed</i>	14400136
		5	2	90 cm	<i>undyed</i>	14500136
HR 48 mm		3	2/0	75 cm	<i>undyed</i>	14300140
		3.5	0	90 cm	<i>undyed</i>	14350140
HR 48 mm		4	1	90 cm	<i>undyed</i>	14400140
		5	2	90 cm	<i>undyed</i>	14500140
HR 48 mm		3	2/0	75 cm	<i>undyed</i>	14300148
		3.5	0	90 cm	<i>undyed</i>	14350148
HR 48 mm		4	1	90 cm	<i>undyed</i>	14400148
		5	2	90 cm	<i>undyed</i>	14500148




 Round bodied taper point	Metric	USP	Length	Order number
3/8 circle 	DR 13 mm		0.7 6/0	45 cm <i>undyed</i> 14070213

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

 Reverse cutting			Metric	USP	Length		Order number
<div>3/8 circle</div> 	DS 12 mm		0.7	6/0	75 cm	undyed	14071512
			1	5/0	75 cm	undyed	14101512
			1.5	4/0	75 cm	undyed	14151512
	DS 12 mm Easy Pass		0.7	6/0	50 cm	undyed	14071512P
			1	5/0	50 cm	undyed	14101512P
			1.5	4/0	50 cm	undyed	14151512P
	DS 16 mm		1	5/0	75 cm	undyed	14101516
			1.5	4/0	75 cm	undyed	14151516
			2	3/0	45 cm	undyed	14201516
	DS 16 mm black		1	5/0	75 cm	undyed	14101516VB
	DS 19 mm		1	5/0	75 cm	undyed	14101519
			1.5	4/0	75 cm	undyed	14151519
			2	3/0	75 cm	undyed	14201519
			3	2/0	75 cm	undyed	14301519
	DS 19 mm Easy Pass		1.5	4/0	50 cm	undyed	14151519P
			2	3/0	50 cm	undyed	14201519P
	DS 19 mm black		1.5	4/0	75 cm	undyed	14151519VB
			2	3/0	75 cm	undyed	14201519VB
	DS 24 mm		1.5	4/0	75 cm	undyed	14151524
			2	3/0	75 cm	undyed	14201524
			3	2/0	75 cm	undyed	14301524
	DS 24 mm Easy Pass		3	2/0	50 cm	undyed	14301524P

 Reverse cutting		Metric	USP	Length		Order number
3/8 circle 	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		Metric	USP	Length		Order number
1/2 circle 	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 	4	1	90 cm	<i>undyed</i>	14401440
		5	2	90 cm	<i>undyed</i>	14501440

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

  Reverse cutting Round bodied taper cutting point		Episio Set		Order number
3/8 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	<i>undyed</i>	S-1430-1435
1/2 circle 				



Round bodied taper cutting point

Metric

USP

Length

Order number

1/2 circle



HRT 17 mm



2

3/0

75 cm

undyed

14200517

HRT 26 mm



2

3/0

75 cm

undyed

14200526

3

2/0

75 cm

undyed

14300526

HRT 36 mm



3

2/0

90 cm

undyed

14300536

3.5

0

90 cm

undyed

14350536

4

1

90 cm

undyed

14400536

HRT 40 mm



3

2/0

90 cm

undyed

14300540

4

1

90 cm

undyed

14400540

HRT 48 mm



3.5

0

90 cm

undyed

14350548

4

1

90 cm

undyed

14400548



Round bodied taper cutting point

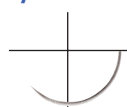
Metric

USP

Length

Order number

3/8 circle



DRT 16 mm



1

5/0

75 cm

undyed

14100416

1.5

4/0

75 cm

undyed

14150416

2

3/0

75 cm

undyed

14200416

DRT 19 mm



1.5

4/0

75 cm

undyed

14150419

2

3/0

75 cm

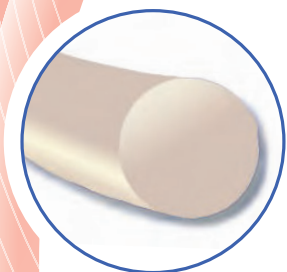
undyed

14200419

SURGICRYL[®]

MONOFAST

POLYGLYCAPRONE 25



Type	Monofilament
Composition	Polyglycaprone 25, a copolymer made of 75% glycolide and 25% ε-caprolactone
Coating	None
Colour	Violet / Beige - undyed
Tissue reaction	Minimal
Absorption	The hydrolytic action by which the material is broken down results in total absorption in approximately 90 to 110 days. Approximately 75% of tensile strength remain after 7 days.
Presentation	Box with 12 sutures



*For quality
&
safety*

smi

www.sutures.be

SURGICRYL[®]

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

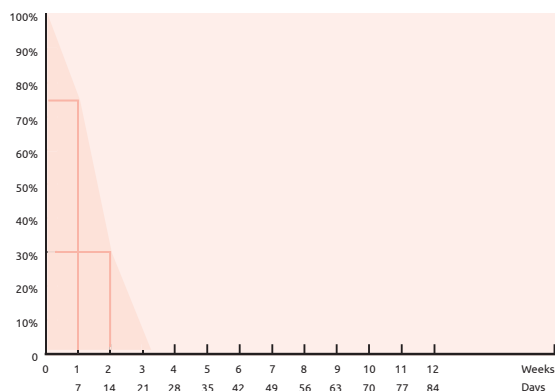
INDICATIONS Superficial soft tissue and/or ligation
 especially in General surgery
 Skin closure
 Plastic surgery
 Gastrointestinal surgery
 Gynaecology
 Urology

CONTRAINDICATIONS Cardiovascular surgery
 Neurosurgery
 Ophthalmic surgery

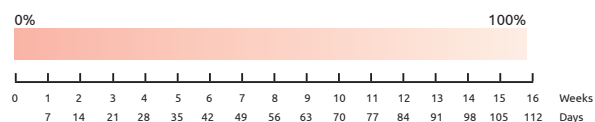
 Being absorbable not to use when an extended wound support is required.


 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
Ligapack					
	5	2	250 cm	<i>violet</i>	16500025

 Round bodied taper point		Metric	USP	Length		Order number	
<div>1/2 circle</div> 	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		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
			4	1	75 cm	<i>violet</i>	16400130
	HR 36 mm		3	2/0	75 cm	<i>violet</i>	16300136
			3.5	0	90 cm	<i>violet</i>	16350136
			4	1	90 cm	<i>violet</i>	16400136
	HR 40 mm		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

1/2 circle



HR 48 mm



3.5

0

90 cm

violet

16350148

4

1

90 cm

violet

16400148

5

2

90 cm

violet

16500148

HR 65 mm



3

2/0

90 cm

violet

16300165



Reverse cutting

Metric

USP

Length

Order number

3/8 circle



DS 12 mm



0.7

6/0

45 cm

undyed

16071512

0.7

6/0

75 cm

undyed

16071512-75

0.7

6/0

75 cm

violet

16071512V

1

5/0

45 cm

undyed

16101512

1

5/0

45 cm

violet

16101512V

1.5

4/0

45 cm

undyed

16151512

DS 12 mm
Easy Pass



0.7

6/0

50 cm

undyed

16071512P

1

5/0

50 cm

undyed

16101512P

1.5

4/0

50 cm

undyed

16151512P

DS 16 mm



1

5/0

75 cm

undyed

16101516

1

5/0

75 cm

violet

16101516V

1.5

4/0

75 cm

undyed

16151516

1.5

4/0

75 cm

violet

16151516V

2

3/0

75 cm

undyed

16201516

DS 16 mm
Easy Pass



1

5/0

50 cm

undyed

16101516P

1.5

4/0

50 cm

undyed

16151516P

DS 16 mm black



1

5/0

75 cm

violet

16101516VB

DS 19 mm



1

5/0

45 cm

undyed

16101519

1

5/0

75 cm

violet

16101519V

1.5

4/0

75 cm

undyed

16151519

1.5

4/0

75 cm

violet

16151519V

2

3/0

75 cm

undyed

16201519

2

3/0

75 cm

violet

16201519V

3

2/0

75 cm

undyed

16301519

DS 19 mm
Easy Pass



1.5

4/0

50 cm

undyed

16151519P










2





3/0



50 cm




undyed

16201519P

 Reverse cutting		Metric	USP	Length		Order number
3/8 circle 	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
		3	2/0	75 cm	<i>undyed</i>	16301524P-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 26 mm Easy Pass 	3	2/0	75 cm	<i>undyed</i>	16301526P-75
	DS 30 mm 	3	2/0	75 cm	<i>undyed</i>	16301530
		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
1/2 circle 	HS 36 mm 	3	2/0	75 cm	<i>undyed</i>	16301436
		3	2/0	75 cm	<i>undyed</i>	16301436V
		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
Straight 	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
1/2 circle 	HRT 40 mm 	3.5	0	90 cm	<i>undyed</i>	16350540



Blunt

1/2 circle



HRB 40 mm



3.5

USP

0

Length

90 cm

violet

Order number

16351840

HRB 48 mm



4

1

90 cm

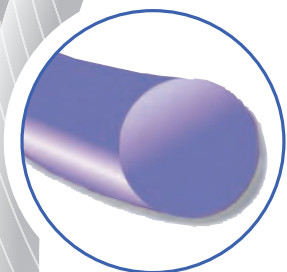
violet

16401848

SURGICRYL[®]

MONOFILAMENT

POLYDIOXANONE



Type	Monofilament
Composition	Polydioxanone, a polymer made from polyester poly (p-dioxanone)
Coating	None
Colour	Violet
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.
Presentation	Box with 12 sutures



*For quality
&
safety*

smi

www.sutures.be

SURGICRYL[®]

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

especially in

General soft tissue closing
General surgery
Gastrointestinal surgery
Ophthalmic surgery
Orthopaedics
Abdominal wall closure
Gynaecology
Plastic surgery
Urology

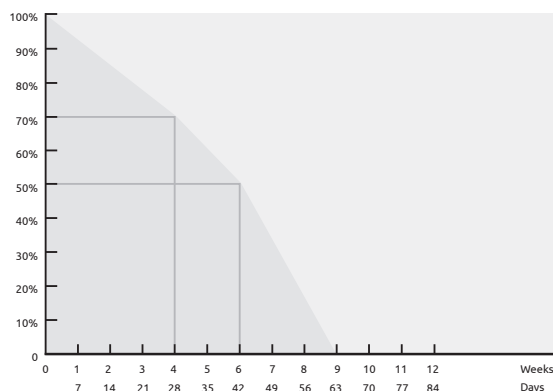
CONTRAINDICATIONS

Cardiovascular surgery
Neurosurgery
Prosthetic devices

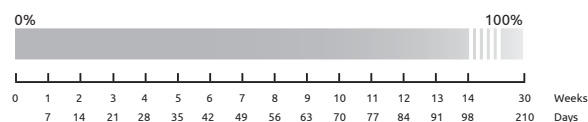
Being absorbable not to use when wound support for more than 6 weeks is required.


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 *violet* 13200025


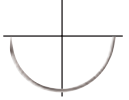
 Round bodied taper point	Metric	USP	Length		Order number
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1/2 circle



HR 9 mm		0.7	6/0	75 cm	<i>violet</i>	13070109
HR 13 mm		0.5	7/0	45 cm	<i>violet</i>	13050113
		0.7	6/0	75 cm	<i>violet</i>	13070113
		1	5/0	75 cm	<i>violet</i>	13100113
		1.5	4/0	75 cm	<i>violet</i>	13150113
		2	3/0	75 cm	<i>violet</i>	13200113
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
HR 22 mm		2	3/0	75 cm	<i>violet</i>	13200117
		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
		3	2/0	75 cm	<i>violet</i>	13300130
HR 36 mm		3.5	0	75 cm	<i>violet</i>	13350130
		3	2/0	75 cm	<i>violet</i>	13300136
		3.5	0	90 cm	<i>violet</i>	13350136
HR 40 mm		4	1	90 cm	<i>violet</i>	13400136
		3	2/0	75 cm	<i>violet</i>	13300140
		3.5	0	90 cm	<i>violet</i>	13350140
HR 48 mm		4	1	90 cm	<i>violet</i>	13400140
		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

 Round bodied taper point		Metric	USP	Length		Order number
3/8 circle 	DR 13 mm	1	5/0	75 cm	<i>violet</i>	13100213
		1.5	4/0	75 cm	<i>violet</i>	13150213
	DR 17 mm	1	5/0	75 cm	<i>violet</i>	13100217
		1.5	4/0	75 cm	<i>violet</i>	13150217

 Round bodied taper point double armed		Metric	USP	Length		Order number
1/2 circle 	2 x HR 13 mm	0.7	6/0	75 cm	<i>violet</i>	13070113-2
		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
		2	3/0	75 cm	<i>violet</i>	13200117-2
	2 x HR 26 mm	2	3/0	90 cm	<i>violet</i>	13200126-2

 Round bodied taper point double armed		Metric	USP	Length		Order number
3/8 circle 	2 x DR 9 mm	0.7	6/0	75 cm	<i>violet</i>	13070209-2
	2 x DR 10 mm	0.5	7/0	75 cm	<i>violet</i>	13050210-2
	2 x DR 13 mm	0.5	7/0	75 cm	<i>violet</i>	13050213-2
		0.7	6/0	75 cm	<i>violet</i>	13070213-2
		1	5/0	90 cm	<i>violet</i>	13100213-2
	2 x DR 17 mm	0.5	7/0	75 cm	<i>violet</i>	13050217-2
		1.5	4/0	90 cm	<i>violet</i>	13150217-2



Round bodied taper point loop

Metric

USP

Length

Order number

1/2 circle



HR 40 mm



3.5

0

150 cm

violet

13350940

4

1

150 cm

violet

13400940

HR 50 mm



3.5

0

150 cm

violet

13350950

4

1

150 cm

violet

13400950

5

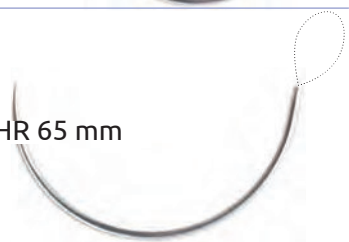
2

150 cm

violet

13500950

HR 65 mm



4

1

150 cm

violet

13400965



Reverse cutting

Metric

USP

Length

Order number

3/8 circle



DS 12 mm



0.7

6/0

45 cm

violet

13071512

1

5/0

45 cm

violet

13101512

1.5

4/0

75 cm

violet

13151512

DS 16 mm



0.7

6/0

45 cm

violet

13071516

1

5/0

75 cm

violet

13101516

1.5

4/0

75 cm

violet

13151516

DS 16 mm
Easy Pass



1

5/0

50 cm

violet

13101516P

DS 16 mm black



1

5/0

75 cm

violet

13101516VB

DS 19 mm



1

5/0

45 cm

violet

13101519

1

5/0

75 cm

violet

13101519-75

1.5

4/0

75 cm

violet

13151519

1.5

4/0

90 cm

violet

13151519-90

2

3/0

75 cm

violet

13201519

DS 19 mm black



1.5

4/0

75 cm

violet

13151519VB

DS 24 mm



1.5

4/0

75 cm

violet

13151524

2

3/0

75 cm

violet

13201524

2

3/0

90 cm

violet

13201524-90

3

2/0

75 cm

violet

13301524







3.5




0





75 cm




violet

13351524

 Reverse cutting			Metric	USP	Length		Order number
3/8 circle 	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
	DS 48 mm		4	1	90 cm	<i>violet</i>	13401548

 Reverse cutting			Metric	USP	Length		Order number
1/2 circle 	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

 Round bodied taper cutting point			Metric	USP	Length		Order number
1/2 circle 	HRT 26 mm		2	3/0	75 cm	<i>violet</i>	13200526
			3	2/0	75 cm	<i>violet</i>	13300526
	HRT 40 mm		3.5	0	90 cm	<i>violet</i>	13350540
			4	1	90 cm	<i>violet</i>	13400540

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

CATGUT

PLAIN



Type	Twisted multifilament with a monofilament appearance
Composition	Strands of purified collagen taken from the serosal layer of selected bovines. Origin from BSE-free classified countries.
Coating	None
Colour	Ivory
Tissue reaction	Moderate
Absorption	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.
Presentation	Box with 12 sutures

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&
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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

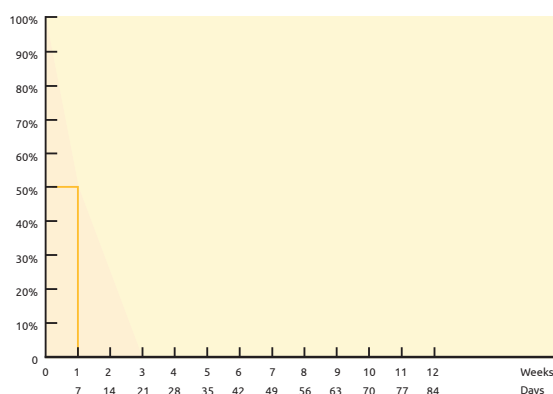
BENEFITS

- 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

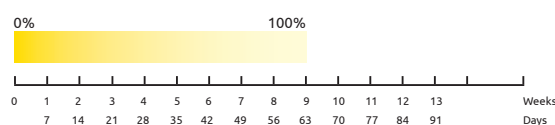
INDICATIONS General soft tissue closing and/or ligation
especially in General surgery
Gastrointestinal surgery
Gynaecology
Obstetrics
Urology
Ophthalmic surgery

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





Without needle

Metric USP Length Order number

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



Round bodied taper point

Metric USP Length Order number

1/2 circle



HR 16 mm		1.5	5/0	75 cm	ivory	1150116
		2	4/0	75 cm	ivory	1200116
HR 20 mm		2	4/0	75 cm	ivory	1200120
		3	3/0	75 cm	ivory	1300120
		3.5	2/0	75 cm	ivory	1350120
HR 26 mm		2	4/0	75 cm	ivory	1200126
		3	3/0	75 cm	ivory	1300126
		3.5	2/0	75 cm	ivory	1350126
		4	0	75 cm	ivory	1400126
HR 30 mm		3	3/0	75 cm	ivory	1300130
HR 37 mm		3	3/0	75 cm	ivory	1300137
		3.5	2/0	75 cm	ivory	1350137
		4	0	75 cm	ivory	1400137
		4	0	90 cm	ivory	1400137-90
		5	1	75 cm	ivory	1500137
HR 40 mm		5	1	90 cm	ivory	1500140-90
HR 45 mm		4	0	75 cm	ivory	1400145
		5	1	75 cm	ivory	1500145
		6	2	75 cm	ivory	1600145
HR 50 mm		3.5	2/0	75 cm	ivory	1350150



Reverse cutting

Metric






USP

Length

Order number

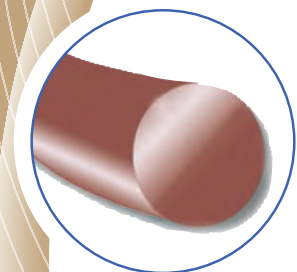
3/8 circle



DS 12 mm		1.5	5/0	45 cm	<i>ivory</i>	1151512
DS 16 mm		1	6/0	45 cm	<i>ivory</i>	1101516
		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
		4	0	75 cm	<i>ivory</i>	1401524
DS 37 mm		3.5	2/0	75 cm	<i>ivory</i>	1351537

CATGUT

CHROM



Type	Twisted multifilament with a monofilament appearance
Composition	Strands of purified collagen taken from the serosal layer of selected bovines, tanned with chrome salts. Origin from BSE-free classified countries.
Coating	None
Colour	Dark brown
Tissue reaction	Moderate
Absorption	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.
Presentation	Box with 12 sutures

*For quality
&
safety*

smi

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CATGUT

CHROM

CHARACTERISTICS

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

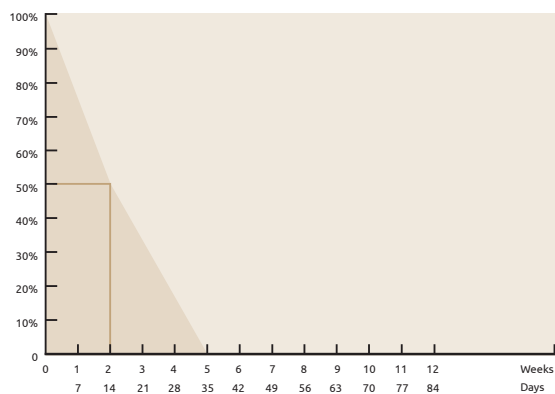
BENEFITS

- 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

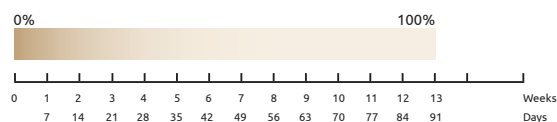
INDICATIONS General soft tissue closing and/or ligation
especially in General surgery
Gastrointestinal surgery
Gynaecology
Obstetrics
Urology
Ophthalmic surgery

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





Without needle

Metric USP Length Order number

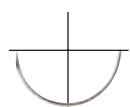
2	4/0	150 cm	<i>brown</i>	2200015
3	3/0	150 cm	<i>brown</i>	2300015
3.5	2/0	150 cm	<i>brown</i>	2350015
4	0	150 cm	<i>brown</i>	2400015
5	1	150 cm	<i>brown</i>	2500015
6	2	150 cm	<i>brown</i>	2600015
7	3	150 cm	<i>brown</i>	2700015
8	4	150 cm	<i>brown</i>	2800015
10	6	150 cm	<i>brown</i>	21000015



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
3.5	2/0	90 cm	<i>brown</i>	2350137-90
4	0	75 cm	<i>brown</i>	2400137
5	1	75 cm	<i>brown</i>	2500137




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
		3.5	2/0	90 cm	<i>brown</i>	2350140-90
		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

3/8 circle



			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
		3.5		2/0	75 cm	<i>brown</i>	2351524
		4		0	75 cm	<i>brown</i>	2401524
DS 30 mm		5		1	75 cm	<i>brown</i>	2501524
		3		3/0	75 cm	<i>brown</i>	2301530
		3.5		2/0	75 cm	<i>brown</i>	2351530
DS 37 mm		4		0	75 cm	<i>brown</i>	2401530
		5		1	75 cm	<i>brown</i>	2501530
		3		3/0	75 cm	<i>brown</i>	2301537
DS 40 mm		3.5		2/0	75 cm	<i>brown</i>	2351537
		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
		6		2	75 cm	<i>brown</i>	2601540
		7		3	75 cm	<i>brown</i>	2701540



Reverse cutting

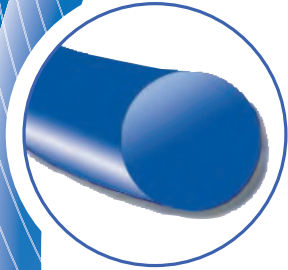
1/2 circle



			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



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

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POLYPROPYLENE

BLUE

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

especially in Ophthalmic surgery

Plastic surgery

Skin closure

Orthopaedics

Hernias (also as a mesh)

Gastrointestinal surgery

General surgery

Gynaecology

Obstetrics

CONTRAINDICATIONS Cardiovascular surgery

Neurosurgery

Microsurgery



Round bodied taper point

1/2 circle



			Metric	USP	Length		Order number
HR 10 mm			0.5	7/0	45 cm	blue	5050110
			0.7	6/0	75 cm	blue	5070110
HR 15 mm			0.7	6/0	75 cm	blue	5070115
			1	5/0	75 cm	blue	5100115
			1.5	4/0	75 cm	blue	5150115
HR 17 mm			1	5/0	75 cm	blue	5100117
			2	3/0	75 cm	blue	5200117
HR 20 mm			1	5/0	75 cm	blue	5100120
			1.5	4/0	75 cm	blue	5150120
			2	3/0	75 cm	blue	5200120
HR 25 mm			3	2/0	75 cm	blue	5300120
			1	5/0	75 cm	blue	5100125
			1.5	4/0	75 cm	blue	5150125
			2	3/0	75 cm	blue	5200125
			3	2/0	75 cm	blue	5300125
			3.5	0	75 cm	blue	5350125
HR 30 mm			4	1	75 cm	blue	5400125
			2	3/0	75 cm	blue	5200130
			3	2/0	75 cm	blue	5300130
			3.5	0	75 cm	blue	5350130
HR 35 mm			4	1	75 cm	blue	5400130
			3	2/0	75 cm	blue	5300135
			3.5	0	75 cm	blue	5350135
HR 40 mm			4	1	75 cm	blue	5400135
			5	2	75 cm	blue	5500140
			3.5	0	75 cm	blue	5350140

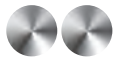
Round bodied taper point loop



1/2 circle



			Metric	USP	Length		Order number
HR 50 mm			4	1	150 cm	blue	5400950


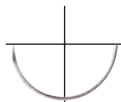
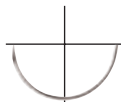





Round bodied taper point double armed













1/2 circle

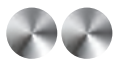


		Metric	USP	Length		Order number
	2 x HR 8 mm	0.4	8/0	60 cm	blue	5040108-2
		0.5	7/0	60 cm	blue	5050108-2
		0.7	6/0	60 cm	blue	5070108-2
	2 x HR 9.3 mm	0.5	7/0	60 cm	blue	5050193-2
		0.7	6/0	60 cm	blue	5070193-2
	2 x HR 10 mm	0.5	7/0	60 cm	blue	5050110-2
		0.7	6/0	60 cm	blue	5070110-2
		1	5/0	60 cm	blue	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	0.7	6/0	90 cm	blue	5070116-2
		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	5/0	90 cm	blue	5100125-2
		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	4	1	90 cm	blue	5400140-2

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

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

 Round bodied taper point double armed		Metric	USP	Length		Order number	
 3/8 circle	2 x DR 6 mm		0.4	8/0	45 cm	blue	5040206-2
	2 x DR 6.5 mm		0.4	8/0	60 cm	blue	50402065-2-60
	2 x DR 8 mm		0.4	8/0	45 cm	blue	5040208-2
			0.5	7/0	60 cm	blue	5050208-2
	2 x DR 9.3 mm		0.5	7/0	60 cm	blue	5050293-2
			0.7	6/0	60 cm	blue	5070293-2
	2 x DR 10 mm		0.7	6/0	60 cm	blue	5070210-2
			1	5/0	75 cm	blue	5100210-2
	2 x DR 13 mm		0.5	7/0	60 cm	blue	5050213-2
			1	5/0	60 cm	blue	5100213-2
			0.7	6/0	60 cm	blue	5070213-2
	2 x DR 17 mm		2	3/0	90 cm	blue	5200217-2
	2 x DR 18 mm		1	5/0	90 cm	blue	5100218-2
			1.5	4/0	90 cm	blue	5150218-2
	2 x DR 22 mm		1.5	4/0	90 cm	blue	5150222-2
			2	3/0	90 cm	blue	5200222-2
	2 x DR 25 mm		3	2/0	75 cm	blue	5300225-2



Round bodied taper point double armed

			Metric	USP	Length		Order number
3/8 circle 	2 x DR 26 mm		1	5/0	90 cm	blue	5100226-2
			1.5	4/0	90 cm	blue	5150226-2



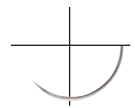
Reverse cutting









			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
			2	3/0	75 cm	blue	5201516
	DS 16 mm Easy Pass		0.7	6/0	50 cm	blue	5071516P
			1	5/0	50 cm	blue	5101516P
			1.5	4/0	50 cm	blue	5151516P
	DS 16 mm black		1	5/0	45 cm	blue	5101516VB
	DS 19 mm		0.7	6/0	75 cm	blue	5071519
			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












Reverse cutting







3/8 circle



		Metric	USP	Length		Order number
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
DS 24 mm Easy Pass		1.5	4/0	50 cm	blue	5151524P
		2	3/0	50 cm	blue	5201524P
		3	2/0	50 cm	blue	5301524P
DS 26 mm		2	3/0	45 cm	blue	5201526-45
		2	3/0	75 cm	blue	5201526
		3	2/0	45 cm	blue	5301526-45
		3	2/0	75 cm	blue	5301526
DS 30 mm		2	3/0	75 cm	blue	5201530
		3	2/0	75 cm	blue	5301530
		3.5	0	75 cm	blue	5351530
		4	1	75 cm	blue	5401530
DS 36 mm		2	3/0	75 cm	blue	5201536
		3	2/0	75 cm	blue	5301536
		3.5	0	75 cm	blue	5351536
		4	1	75 cm	blue	5401536
DS 40 mm		3	2/0	75 cm	blue	5301540
		3.5	0	75 cm	blue	5351540
		4	1	90 cm	blue	5401540
		5	2	90 cm	blue	5501540
DS 45 mm		4	1	90 cm	blue	5401545
DS 90 mm		4	1	90 cm	blue	5401590

 Reverse cutting			Metric	USP	Length		Order number
1/2 circle 	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 26 mm		3	2/0	75 cm	<i>blue</i>	5301426

 Cutting			Metric	USP	Length		Order number
Straight 	GS 60 mm		2	3/0	75 cm	<i>blue</i>	5202160
			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
1/2 circle 	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	<i>blue</i>	5150525-2
			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

1/2 circle



HRT 10 mm



0.7

6/0

75 cm

blue

5070510

HRT 25 mm



3

2/0

75 cm

blue

5300525

HRT 30 mm



3.5

0

75 cm

blue

5350530

HRT 36 mm



4

1

75 cm

blue

5400536



Soft cutting point coronary double armed

Metric

USP

Length

Order number

3/8 circle



2 x CC 6.4 mm



0.4

8/0

60 cm

blue

5042606-2

2 x CC 8 mm



0.4

8/0

60 cm

blue

5042608-2

0.5

7/0

75 cm

blue

5052608-2

0.7

6/0

75 cm

blue

5072608-2

2 x CC 9.3 mm



0.5

7/0

60 cm

blue

5052693-2

0.7

6/0

60 cm

blue

5072693-2

2 x CC 10 mm



0.5

7/0

75 cm

blue

5052610-2

0.7

6/0

75 cm

blue

5072610-2

2 x CC 13 mm



0.5

7/0

75 cm

blue

5052613-2

0.7

6/0

75 cm

blue

5072613-2

1

5/0

75 cm

blue

5102613-2



Soft cutting point coronary black double armed

Metric

USP

Length

Order number

3/8 circle



2 x CC 8 mm black



0.4

8/0

60 cm

blue

5042608-2VB

0.5

7/0

75 cm

blue

5052608-2VB

0.7

6/0

75 cm

blue

5072608-2VB

2 x CC 9 mm black



0.4

8/0

60 cm

blue

5042609-2VB

0.5

7/0

60 cm

blue

5052609-2VB

2 x CC 13 mm black



0.7

6/0

75 cm

blue

5072613-2VB

1

5/0

75 cm

blue

5102613-2VB



Micro needle taper point

Metric

USP

Length

Order number

3/8 circle



MDR 3.75 mm
150 µm



0.2

10/0

13 cm

blue

MP109

MDR 5.1 mm
100 µm



0.2

10/0

15 cm

blue

MP106

MDR 6 mm
150 µm



0.4

8/0

75 cm

blue

MP085

MDR 6.4 mm
150 µm



0.3

9/0

15 cm

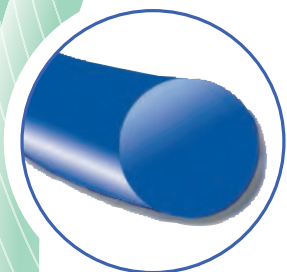
blue

MP097

DACLON

NYLON

DACLON
NYLON



Type	Monofilament
Composition	Extrusion of polyamide 6.0 or 6.6
Coating	None
Colour	Blue Black
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).
Presentation	Box with 12 sutures

*For quality
&
safety*

smi

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

CONTRAINDICATIONS Cardiovascular surgery
 Neurosurgery
 Microsurgery



Round bodied taper point double armed

Metric

USP

Length

Order number

3/8 circle



2 x DR 6 mm



0.4

8/0

45 cm

black

5040206-2



Round bodied taper point

Metric

USP

Length

Order number

1/2 circle



HR 16 mm



1

5/0

75 cm

black

9100116

1.5

4/0

75 cm

blue

9150116

HR 20 mm



0.7

6/0

75 cm

black

9070120

1

5/0

75 cm

black

9100120

1.5

4/0

75 cm

blue

9150120

2

3/0

75 cm

blue

9200120

3

2/0

75 cm

blue

9300120

HR 26 mm



1.5

4/0

75 cm

blue

9150126

2

3/0

75 cm

blue

9200126

3

2/0

75 cm

blue

9300126

3.5

0

75 cm

blue

9350126

4

1

75 cm

blue

9400126

HR 30 mm



3

2/0

75 cm

blue

9300130

3.5

0

75 cm

blue

9350130

4

1

75 cm

blue

9400130

HR 37 mm



3

2/0

75 cm

blue

9300137

3.5

0

75 cm

blue

9350137

4

1

75 cm

blue

9400137

HR 40 mm



3

2/0

75 cm

blue

9300140

3.5

0

75 cm

blue

9350140

4

1

75 cm

blue

9400140

5

2

75 cm

blue

9500140

HR 50 mm



4

1

100 cm

blue

9400150


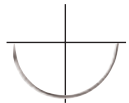
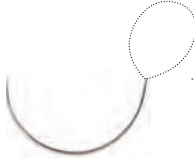



5




2




150 cm

blue

9500150

 Round bodied taper point loop		Metric	USP	Length		Order number
1/2 circle 	HR 30 mm		3.5	0	150 cm	<i>blue</i> 9350930
			4	1	150 cm	<i>blue</i> 9400930
	HR 35 mm		3.5	0	150 cm	<i>blue</i> 9350935
			4	1	150 cm	<i>blue</i> 9400935
	HR 40 mm		3.5	0	150 cm	<i>blue</i> 9350940
			4	1	150 cm	<i>blue</i> 9400940
	HR 50 mm		3.5	0	150 cm	<i>blue</i> 9350950
			4	1	150 cm	<i>blue</i> 9400950

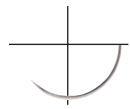
Round bodied taper point double armed		Metric	USP	Length		Order number
1/2 circle 	 2 x HR 65 mm	3	2/0	90 cm	<i>blue</i>	9300165-2

 Blunt		Metric	USP	Length		Order number
1/2 circle 	HRB 40 mm 	4	1	75 cm	<i>blue</i>	9401840



Reverse cutting

3/8 circle









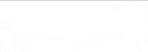


		Metric	USP	Length		Order number
DS 12 mm		0.5	7/0	75 cm	black	9051512
		0.7	6/0	75 cm	black	9071512
		1	5/0	75 cm	black	9101512
		1.5	4/0	75 cm	blue	9151512
DS 12 mm Easy Pass		0.7	6/0	50 cm	black	9071512P
		1	5/0	50 cm	black	9101512P
		1.5	4/0	50 cm	blue	9151512P
DS 16 mm		0.7	6/0	45 cm	black	9071516-45
		0.7	6/0	75 cm	black	9071516
		1	5/0	45 cm	black	9101516-45
		1	5/0	75 cm	black	9101516
		1.5	4/0	45 cm	blue	9151516-45
		1.5	4/0	75 cm	blue	9151516
		2	3/0	75 cm	blue	9201516
DS 16 mm Easy Pass		0.7	6/0	50 cm	black	9071516P
		1	5/0	50 cm	black	9101516P
		1.5	4/0	50 cm	blue	9151516P
DS 16 mm black		1	5/0	75 cm	black	9101516VB
DS 19 mm		1	5/0	45 cm	black	9101519-45
		1	5/0	75 cm	black	9101519
		1.5	4/0	45 cm	blue	9151519-45
		1.5	4/0	75 cm	blue	9151519
		1.5	4/0	90 cm	blue	9151519-90
		2	3/0	45 cm	blue	9201519-45
		2	3/0	75 cm	blue	9201519
		2	3/0	90 cm	blue	9201519-90
		3	2/0	75 cm	blue	9301519
DS 19 mm Easy Pass		1.5	4/0	50 cm	blue	9151519P
		2	3/0	50 cm	blue	9201519P
DS 19 mm black		1	5/0	75 cm	black	9101519VB
		1.5	4/0	75 cm	blue	9151519VB


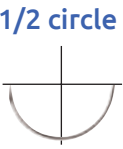














Reverse cutting






3/8 circle



		Metric	USP	Length		Order number
DS 24 mm		1	5/0	75 cm	black	9101524
		1.5	4/0	45 cm	blue	9151524-45
		1.5	4/0	75 cm	blue	9151524
		2	3/0	45 cm	blue	9201524-45
		2	3/0	75 cm	blue	9201524
		3	2/0	45 cm	blue	9301524-45
		3	2/0	75 cm	blue	9301524
		3.5	0	75 cm	blue	9351524
		4	1	75 cm	blue	9401524
		5	2	90 cm	blue	9501524
DS 24 mm Easy Pass		3	2/0	50 cm	blue	9301524P
DS 26 mm		2	3/0	45 cm	blue	9201526-45
		2	3/0	75 cm	blue	9201526
		3	2/0	45 cm	blue	9301526-45
		3	2/0	75 cm	blue	9301526
DS 30 mm		2	3/0	75 cm	blue	9201530
		3	2/0	75 cm	blue	9301530
		3.5	0	75 cm	blue	9351530
		4	1	75 cm	blue	9401530
DS 36 mm		2	3/0	75 cm	blue	9201536
		3	2/0	75 cm	blue	9301536
		3.5	0	75 cm	blue	9351536
		4	1	75 cm	blue	9401536
		4	1	90 cm	blue	9401536-90
DS 40 mm		3	2/0	75 cm	blue	9301540
		3.5	0	75 cm	blue	9351540
		4	1	75 cm	blue	9401540
		5	2	90 cm	blue	9501540
DS 45 mm		3	2/0	100 cm	blue	9301545
		4	1	75 cm	blue	9401545
DS 60 mm		3	2/0	75 cm	blue	9301560
		3.5	0	75 cm	blue	9351560
DS 90 mm		3	2/0	100 cm	blue	9301590
		3.5	0	100 cm	blue	9351590
		4	1	100 cm	blue	9401590

 Reverse cutting			Metric	USP	Length		Order number
	HS 17 mm		1.5	4/0	75 cm	blue	9151417
			2	3/0	75 cm	blue	9201417
	HS 22 mm		2	3/0	75 cm	blue	9201422
	HS 26 mm		2	3/0	75 cm	blue	9201426
			3	2/0	75 cm	blue	9301426
	HS 30 mm		2	3/0	90 cm	blue	9201430
			3	2/0	90 cm	blue	9301430
	HS 36 mm		3.5	0	75 cm	blue	9351430
			3	2/0	75 cm	blue	9301436
			3.5	0	75 cm	blue	9351436
			4	1	75 cm	blue	9401436
	HS 40 mm		5	2	75 cm	blue	9501436
	HS 48 mm		3.5	0	75 cm	blue	9351440
			4	1	75 cm	blue	9401440
	HS 48 mm		4	1	100 cm	blue	9401448

 Cutting			Metric	USP	Length		Order number
	GS 60 mm		2	3/0	75 cm	blue	9202160
			3	2/0	75 cm	blue	9302160
	GS 75 mm		3	2/0	75 cm	blue	9302175

 Cutting			Metric	USP	Length		Order number
	NS 26 mm		2	3/0	75 cm	blue	9201726
	NS 30 mm		3	2/0	75 cm	blue	9301730
	NS 40 mm		3	2/0	75 cm	blue	9301740



Micro needle taper point

Metric

USP

Length

Order number

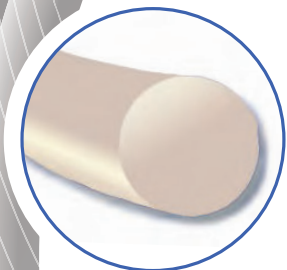
3/8 circle



	MDR 3.8 mm 70 µm		0.1	11/0	10 cm	black	MN113
			0.2	10/0	10 cm	black	MN103
	MDR 3.8 mm 100 µm		0.1	11/0	10 cm	black	MN112
			0.2	10/0	15 cm	black	MN105
			0.3	9/0	15 cm	black	MN094
	MDR 5.1 mm 70 µm		0.2	10/0	10 cm	black	MN104
			0.2	10/0	15 cm	black	MN106
	MDR 5.1 mm 100 µm		0.3	9/0	15 cm	black	MN096
			0.2	10/0	15 cm	black	MN1011
	MDR 6.4 mm 140 µm		0.3	9/0	15 cm	black	MN098
			0.4	8/0	15 cm	black	MN087
	MDR 9.7 mm 200 µm		0.5	7/0	45 cm	black	MN078

PTFE

WHITE



Type	Monofilament
Composition	Polytetrafluoroethylene (PTFE)
Coating	None
Colour	White
Tissue reaction	Minimal
Absorption	Non absorbable
Presentation	Box with 12 sutures

*For quality
&
safety*



www.sutures.be

PTFE

WHITE

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

especially in Skin closure

General surgery

Plastic surgery

Gastrointestinal surgery

Gynaecology

Obstetrics

Orthopaedics

Ophthalmic surgery

Oral surgery

CONTRAINDICATIONS Cardiovascular surgery

Neurosurgery

Microsurgery

**Round bodied taper point**

			Metric	USP	Length		Order number
1/2 circle 	HR 16 mm		0.7	6/0	60 cm	white	21070116
			1	5/0	60 cm	white	21100116
			1.5	4/0	60 cm	white	21150116
	HR 20 mm		1	5/0	60 cm	white	21100120
			1.5	4/0	60 cm	white	21150120
			2	3/0	60 cm	white	21200120

**Reverse cutting**

			Metric	USP	Length		Order number
3/8 circle 	DS 12 mm		0.7	6/0	60 cm	white	21071512
	DS 16 mm		0.7	6/0	60 cm	white	21071516
			1	5/0	60 cm	white	21101516
			1.5	4/0	60 cm	white	21151516
	DS 19 mm		1	5/0	60 cm	white	21101519
			1.5	4/0	60 cm	white	21151519
			2	3/0	60 cm	white	21201519

**Soft cutting point coronary double armed**

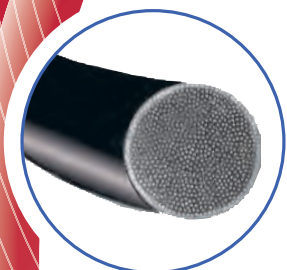
			Metric	USP	Length		Order number
3/8 circle 	2 x CC 9.3 mm		0.5	7/0	45 cm	white	21052693-2

**Soft cutting point coronary double armed**

			Metric	USP	Length		Order number
Straight 	2 x GC 9.3 mm		0.5	7/0	45 cm	white	21052793-2

SUPRAMID

BLACK



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

*For quality
&
safety*

smi

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SUPRAMID

BLACK

CHARACTERISTICS

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

INDICATIONS General soft tissue closing
and/or ligation
especially in Skin closure

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 without 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




CONTRAINDICATIONS Cardiovascular surgery
Neurosurgery
Microsurgery

 Round bodied taper point		Metric	USP	Length		Order number
1/2 circle 	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
Straight 	GR 22 mm		1.5	4/0	50 cm	<i>black</i> 4152022

 Reverse cutting		Metric	USP	Length		Order number
1/2 circle 	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
	HS 22 mm		2	3/0	75 cm	<i>black</i> 4201420
			1.5	4/0	75 cm	<i>black</i> 4151422
	HS 26 mm		2	3/0	75 cm	<i>black</i> 4201422
			1.5	4/0	75 cm	<i>black</i> 4151426
			2	3/0	75 cm	<i>black</i> 4201426
			3	2/0	75 cm	<i>black</i> 4301426

 Cutting		Metric	USP	Length		Order number
Straight 	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
3/8 circle 	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

3/8 circle



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



Round bodied taper cutting point

1/2 circle



		Metric	USP	Length		Order number
HRT 18 mm		1.5	4/0	75 cm	black	4150518
		2	3/0	75 cm	black	4200518



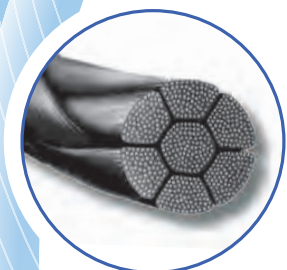
Round bodied taper cutting point

3/8 circle



		Metric	USP	Length		Order number
DRT 18 mm		1.5	4/0	75 cm	black	4150418
		2	3/0	75 cm	black	4200418

SILK



Type	Braided multifilament
Composition	Braided fibres from the cocoon of the silkworm
Coating	Silicone
Colour	Black
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.
Presentation	Box with 12 sutures

*For quality
&
safety*

smi

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SILK

CHARACTERISTICS

- ✓ High tensile strength, non absorbable
- ✓ Braided 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 Cardiovascular surgery
Neurosurgery
Microsurgery
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

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

Ligapack














Round bodied taper point




1/2 circle








		Metric	USP	Length		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
		2	3/0	90 cm	black	8200112
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
		2	3/0	75 cm	black	8200116
HR 20 mm		1	5/0	75 cm	black	8100120
		1.5	4/0	75 cm	black	8150120
		2	3/0	75 cm	black	8200120
		3	2/0	75 cm	black	8300120
		3.5	0	75 cm	black	8350120
HR 26 mm		1	5/0	75 cm	black	8100126
		1.5	4/0	75 cm	black	8150126
		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
HR 30 mm		2	3/0	75 cm	black	8200130
		3	2/0	75 cm	black	8300130
		3.5	0	75 cm	black	8350130
		4	1	75 cm	black	8400130
		5	2	75 cm	black	8500130
HR 37 mm		2	3/0	75 cm	black	8200137
		3	2/0	75 cm	black	8300137
		3.5	0	75 cm	black	8350137
		4	1	75 cm	black	8400137
		5	2	75 cm	black	8500137
HR 40 mm		3.5	0	75 cm	black	8350140
		4	1	75 cm	black	8400140
		5	2	75 cm	black	8500140
HR 45 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		
<div>3/8 circle</div> 	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
		2	3/0	75 cm	<i>black</i>	8200216
	DR 25 mm 	2	3/0	75 cm	<i>black</i>	8200225
		3	2/0	75 cm	<i>black</i>	8300225
		3.5	0	75 cm	<i>black</i>	8350225
	DR 30 mm 	3	2/0	75 cm	<i>black</i>	8300230

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

 Reverse cutting double armed	Metric	USP	Length	Order number
<div><div>3/8 circle</div></div> <div>2 x DS 12 mm</div>	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
<div>3/8 circle</div> 	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 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



Reverse cutting

Metric

USP

Length

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

4

1

75 cm

black

8401519

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

3/8 circle



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

4

1

75 cm

black

8401524

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

5

2

75 cm

black

8501530

DS 37 mm



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

 Reverse cutting		Metric	USP	Length		Order number
3/8 circle 	DS 40 mm		4	1	75 cm	<i>black</i> 8401540
			5	2	75 cm	<i>black</i> 8501540
	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
	DS 60 mm		4	1	75 cm	<i>black</i> 8401560
	DS 90 mm		3.5	0	100 cm	<i>black</i> 8351590
			5	2	100 cm	<i>black</i> 8501590

 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
			3	2/0	75 cm	<i>black</i> 8301422
	HS 26 mm		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
			3	2/0	75 cm	<i>black</i> 8301426
			3.5	0	75 cm	<i>black</i> 8351426
	HS 30 mm		3	2/0	75 cm	<i>black</i> 8301430
	HS 36 mm		3.5	0	75 cm	<i>black</i> 8351436
			4	1	75 cm	<i>black</i> 8401436
	HS 40 mm		4	1	75 cm	<i>black</i> 8401440

 Cutting		Metric	USP	Length		Order number
 Straight	GS 40 mm 	3	2/0	75 cm	<i>black</i>	8302140
		2	3/0	75 cm	<i>black</i>	8202160
	GS 60 mm 	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
 1/2 circle	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
 3/8 circle	DRT 18 mm 	1.5	4/0	75 cm	<i>black</i>	8150418
		2	3/0	75 cm	<i>black</i>	8200418

POLYESTER



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

*For quality
&
safety*

smi

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POLYESTER

CHARACTERISTICS

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

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

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

Guaranteed seal and product sterility

CONTRAINDICATIONS Cardiovascular surgery
Neurosurgery
Microsurgery



Without needle

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



Without needle

Ligapack











Metric	USP	Length		Order number
1.5	4/0	250 cm	green	7150025
2	3/0	250 cm	green	7200025
3	2/0	250 cm	green	7300025
3.5	0	250 cm	green	7350025
4	1	250 cm	green	7400025
5	2	250 cm	green	7500025
6	3&4	250 cm	green	7600025



Round bodied taper point

1/2 circle





			Metric	USP	Length		Order number
	HR 13 mm		0.7	6/0	75 cm	green	7070113
			1	5/0	75 cm	green	7100116
	HR 16 mm		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
			3	2/0	75 cm	green	7300120
	HR 26 mm		1.5	4/0	75 cm	green	7150126
			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
			4	1	75 cm	green	7400130
	HR 36 mm		3	2/0	75 cm	green	7300136
			3.5	0	75 cm	green	7350136
			4	1	75 cm	green	7400136
	HR 40 mm		3.5	0	75 cm	green	7350140
			4	1	75 cm	green	7400140
			5	2	75 cm	green	7500140
			6	3&4	75 cm	green	7600140
			7	5	75 cm	green	7700140
	HR 48 mm		4	1	75 cm	green	7400148
			5	2	75 cm	green	7500148


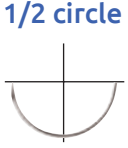








Round bodied taper point double armed




1/2 circle






			Metric	USP	Length		Order number
	HR 16 mm		2	3/0	60 cm	green	7200116-36
	HR 36 mm						

 Round bodied taper point double armed		Metric	USP	Length		Order number
 1/2 circle	2 x HR 17 mm		1	5/0	75 cm	green 7100117-2
			2	3/0	90 cm	green 7200117-2
			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
			3	2/0	90 cm	green 7300126-2
	2 x HR 26 mm		3.5	0	75 cm	green 7350126-2

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

 Round bodied taper point double armed		Metric	USP	Length		Order number
 3/8 circle	2 x DR 13 mm		1.5	4/0	75 cm	green 7150213-2

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



Round bodied taper cutting point double armed

			Metric	USP	Length		Order number
1/2 circle 	2 x HRT 17 mm		1.5	4/0	90 cm	green	7150517-2
			2	3/0	90 cm	green	7200517-2
			3	2/0	90 cm	green	7300517-2
			with pledget - 4x green, 4x white				7300517-2P
	2 x HRT 25 mm		2	3/0	90 cm	green	7200525-2
			3	2/0	90 cm	green	7300525-2
			with pledget - 4x green, 4x white				7300525-2P








Round bodied taper cutting point









			Metric	USP	Length		Order number
1/2 circle 	HRT 18 mm		1.5	4/0	75 cm	green	7150518
			2	3/0	75 cm	green	7200518
	HRT 40 mm		5	2	75 cm	green	7500540
			8	6	90 cm	green	7800540
	HRT 55 mm		6	3	75 cm	green	7600555
			7	5	4 x 75 cm	green	7700555-4



Reverse cutting

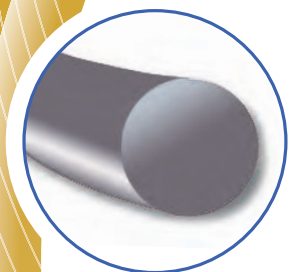
			Metric	USP	Length		Order number
3/8 circle 	DS 12 mm		1	5/0	45 cm	green	7101512
			1	5/0	75 cm	green	7101516
	DS 16 mm		1.5	4/0	75 cm	green	7151516
			2	3/0	75 cm	green	7201516
	DS 19 mm		1	5/0	75 cm	green	7101519
			1.5	4/0	75 cm	green	7151519
			2	3/0	75 cm	green	7201519
			3	2/0	75 cm	green	7301519
	DS 19 mm black		1.5	4/0	75 cm	green	7151519VB
			2	3/0	75 cm	green	7201519VB
	DS 24 mm		2	3/0	75 cm	green	7201524
			3	2/0	75 cm	green	7301524
			3.5	0	75 cm	green	7351524
	DS 26 mm		1.5	4/0	75 cm	green	7151526
			3	2/0	75 cm	green	7301526

	Reverse cutting		Metric	USP	Length		Order number
3/8 circle 	DS 30 mm		2	3/0	75 cm	green	7201530
			3	2/0	75 cm	green	7301530
			3.5	0	75 cm	green	7351530
			4	1	75 cm	green	7401530
			4	1	110 cm	green	7401530-110
	DS 36 mm		3	2/0	75 cm	green	7301536
			4	1	75 cm	green	7401536
			5	2	75 cm	green	7501536
	DS 40 mm		3.5	0	75 cm	green	7351540
			4	1	75 cm	green	7401540
			5	2	75 cm	green	7501540
	DS 45 mm		5	2	75 cm	green	7501545

	Reverse cutting		Metric	USP	Length		Order number
1/2 circle 	HS 17 mm		1.5	4/0	75 cm	green	7151417
			2	3/0	75 cm	green	7201417
	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
			5	2	75 cm	green	7501430
	HS 36 mm		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



Type	Monofilament
-------------	--------------

Composition	Iron, nickel and chromium alloy
--------------------	---------------------------------

Coating	None
----------------	------

Colour	Metal
---------------	-------

Tissue reaction	Minimal
------------------------	---------

Absorption	Non absorbable
-------------------	----------------

Presentation	Box with 12 sutures
---------------------	---------------------

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safety*

smi

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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 Cardiovascular surgery
Neurosurgery
Microsurgery
Known sensitivities or allergies to
stainless or metals such as chromium
and nickel

STEEL

MONOFILAMENT



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

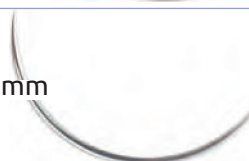
8

6

4 x 45 cm

ST65

HRT 54 mm



7

5

1 x 75 cm

ST54



Reverse cutting

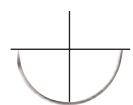
Metric

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

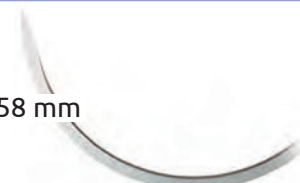
8

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

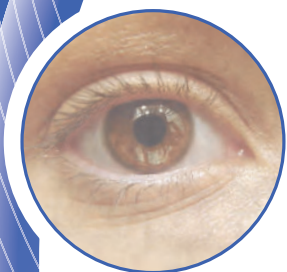
ST63

9

7

4 x 45 cm

ST72
















OPHTHALMIC SURGERY





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safety*







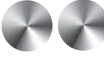






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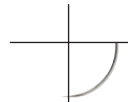






 Side cutting spatula double armed	Metric	USP	Length	Order number
<div>1/2 circle</div>  <div>2 x HSP 8 mm 200 µm</div> 	0.5	7/0	45 cm	<i>violet</i> OSU07
<div>2 x HSP 8 mm 300 µm</div> 	0.7	6/0	45 cm	<i>violet</i> OSU061







 Side cutting spatula double armed			Metric	USP	Length		Order number
 3/8 circle	2 x DSP 5.5 mm 150 µm		0.2	10/0	30 cm	<i>violet</i>	OSU102
	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
	2 x DSP 8 mm 300 µm		0.7	6/0	45 cm	<i>violet</i>	OSU062
2 x DSP 10 mm 200 µm		0.5	7/0	45 cm	<i>violet</i>	OSU073	





 Side cutting spatula	Metric	USP	Length	Order number			
<div>3/8 circle</div> 	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		
<div>1/4 circle</div> 	<div>2 x VSP 8 mm</div> <div>250 µm</div> 	0.7	6/0	45 cm	<i>violet</i>	OSU06-250
	<div>2 x VSP 8 mm</div> <div>300 µm</div> <div>350 µm</div> 	0.7	6/0	45 cm	<i>violet</i>	OSU06
		1	5/0	45 cm	<i>violet</i>	OSU05




 Micro needle taper point double armed			Metric	USP	Length		Order number
3/8 circle 	MDR 6.4 mm		0.3	9/0	30 cm	<i>violet</i>	OSU095
	150µm						
 Reverse cutting			Metric	USP	Length		Order number
3/8 circle 	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		0.7	6/0	50 cm	<i>undyed</i>	11071512UP
	Easy Pass		1	5/0	50 cm	<i>undyed</i>	11101512UP





 Side cutting spatula double armed			Metric	USP	Length		Order number
 1/2 circle	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
	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
 Side cutting spatula double armed			Metric	USP	Length		Order number
 3/8 circle	2 x DSP 6 mm 200 µm		0.4	8/0	45 cm	<i>violet</i>	O91008
	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
			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
 3/8 circle	DSP 6.5 mm 200 µm		0.4	8/0	30 cm	<i>violet</i>	O910082-1
			0.5	7/0	30 cm	<i>violet</i>	O910077-1
 Side cutting spatula double armed			Metric	USP	Length		Order number
 1/4 circle	2 x VSP 6.3 mm 250 µm		0.7	6/0	45 cm	<i>violet</i>	O910063
	2 x VSP 8 mm 300 µm		0.7	6/0	45 cm	<i>violet</i>	O91006
			0.7	6/0	20 cm	<i>undyed</i>	O91006U-20
			0.7	6/0	45 cm	<i>undyed</i>	O91006U
			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		
<div>3/8 circle</div> 	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		
<div>1/4 circle</div>	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


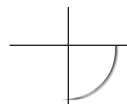

 Reverse cutting			Metric	USP	Length		Order number
<div>3/8 circle</div> 	DS 12 mm		0.7	6/0	45 cm	<i>black</i>	8071512
			1	5/0	45 cm	<i>black</i>	8101512
			1.5	4/0	75 cm	<i>black</i>	8151512
	DS 16 mm		1.5	4/0	75 cm	<i>black</i>	8151516
	DS 19 mm		1.5	4/0	75 cm	<i>black</i>	8151519




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

 Side cutting spatula double armed		Metric	USP	Length		Order number
3/8 circle 	2 x DSP 6.2 mm 150 µm 	0.4	8/0	45 cm	<i>blue</i>	OS82
	2 x DSP 6.5 mm 200 µm 	0.4	8/0	45 cm	<i>blue</i>	OS81




 Round bodied taper point double armed	Metric	USP	Length	Order number						
<div><div>1/4 circle</div></div> <div>2 x VR 8 mm 220 µm</div> <div></div> <div>0.4</div> <div>8/0</div> <div>45 cm</div> <div>black</div> <div>ON81</div>										
 Side cutting spatula	Metric	USP	Length	Order number						
<div><div>1/2 circle</div></div> <div>HSP 5.5 mm 150 µm</div> <div></div> <div>0.2</div> <div>10/0</div> <div>30 cm</div> <div>black</div> <div>ON1081</div>										
 Side cutting spatula double armed	Metric	USP	Length	Order number						
<div><div>1/2 circle</div></div> <div>2 x HSP 5.5 mm 150 µm</div> <div></div> <div>0.2</div> <div>10/0</div> <div>30 cm</div> <div>black</div> <div>ON108</div>	2 x HSP 6.2 mm 150 µm		0.2	10/0	30 cm	black	ON102			
	2 x HSP 6.4 mm 220 µm		0.2	10/0	30 cm	black	ON106			
	2 x HSP 8 mm 300 µm		0.7	6/0	45 cm	black	ON62			
	 Side cutting spatula	Metric	USP	Length	Order number					
<div><div>3/8 circle</div></div> <div>DSP 4.75 mm 150 µm</div> <div></div> <div>0.2</div> <div>10/0</div> <div>13 cm</div> <div>black</div> <div>ON1021</div>			0.3 <div>9/0</div> <div>13 cm</div> <div>black</div> <div>ON99</div>	DSP 6.2 mm 150 µm		0.2	10/0	15 cm	black	ON1011




 Side cutting spatula double armed			Metric	USP	Length	Order number	
 3/8 circle	2 x DSP 6 mm 220 µm		0.2	10/0	30 cm	black	ON103
	2 x DSP 6.2 mm 150 µm		0.1	11/0	20 cm	black	ON111
			0.2	10/0	30 cm	black	ON101
			0.3	9/0	30 cm	black	ON95
			0.3	9/0	45 cm	black	ON95-45
			0.4	8/0	30 cm	black	ON85
			0.4	8/0	45 cm	black	ON85-45
	2 x DSP 6.2 mm 200 µm		0.5	7/0	30 cm	black	ON75
	2 x DSP 6.4 mm 220 µm		0.2	10/0	30 cm	black	ON105
			0.2	10/0	38 cm	black	ON105-38
			0.2	10/0	45 cm	black	ON105-45
	2 x DSP 8 mm 300 µm		0.7	6/0	45 cm	black	ON61





 Side cutting spatula double armed	Metric	USP	Length	Order number	
<div>1/4 circle</div> 	2 x VSP 8 mm 350 µm 	1	5/0	45 cm	<i>black</i> ON51




 Reverse cutting	Metric	USP	Length	Order number	
<div><div>3/8 circle</div></div> <div>DS 12 mm</div> 	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
1/2 circle 	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
3/8 circle 	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
1/4 circle 	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			
3/8 circle 	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			
<div>3/8 circle</div> <div></div>	DSP 6 mm 200 μm		0.5	7/0	45 cm	blue	OPP71-1

	Side cutting spatula double armed		Metric	USP	Length	Order number	
<div>1/4 circle</div> 	2 x VSP 8 mm 300 µm		0.7	6/0	45 cm	blue	OPP62
	2 x VSP 16 mm 150 µm		0.2	10/0	20 cm	blue	OPP116

 Side cutting spatula	Metric	USP	Length	Order number			
<div>1/4 circle</div> <div></div>	VSP 16 mm 150 µm		0.2	10/0	10 cm	blue	OPP103

 Side cutting spatula loop double armed	Metric	USP	Length	Order number		
<div><div>1/4 circle</div></div>	<div>VSP 15.3 mm 150 µm</div> 	0.2	10/0	20 cm	blue	OPP113L-2
	<div>VSP 16 mm 150 µm</div> 	0.2	10/0	20 cm	blue	OPP103L-2

 Side cutting spatula loop		Metric	USP	Length		Order number
1/4 circle 	VSP 16 mm 150 µm 	0.2	10/0	20 cm	<i>blue</i>	OPP103L
 Side cutting spatula double armed		Metric	USP	Length		Order number
Straight 	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
Straight 	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
Straight 	GSP 16 mm 150 µm DSP 4 mm 100 µm 	0.2	10/0	10 cm	<i>blue</i>	OPP102
3/8 circle 	GSP 16 mm 150 µm DSP 5 mm 150 µm 	0.2	10/0	20 cm	<i>blue</i>	OPP115



SPECIALITY PRODUCTS

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Skin Stapler & Remover

INDICATIONS:

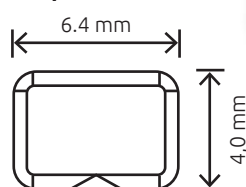
SMI Skin Stapler can be used for a variety of skin closures.

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

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:

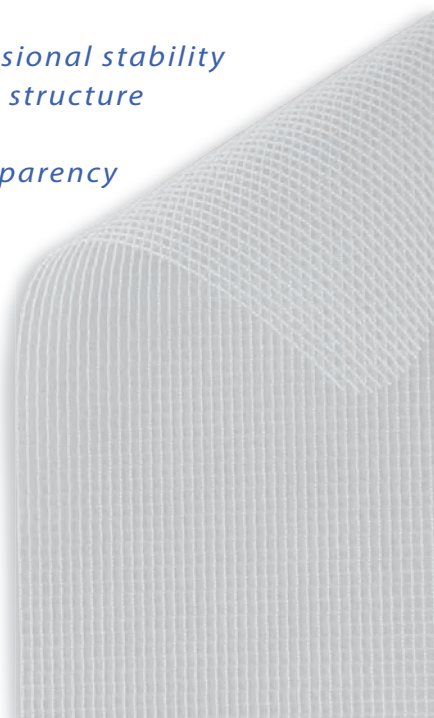
Monofilament polypropylene knitted into an elastic, durable mesh

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



Skin Marker

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

ZSM20 Dual tip, regular and fine tip skin marker with ruler, sterile



Pilomat

Tablet Crusher Z045

To crush tablets with a simple flick of the wrist.



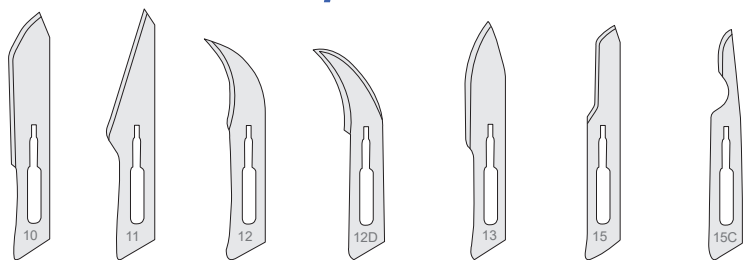
Tablet Splitter Z044

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° 13 N° 15 N° 15c

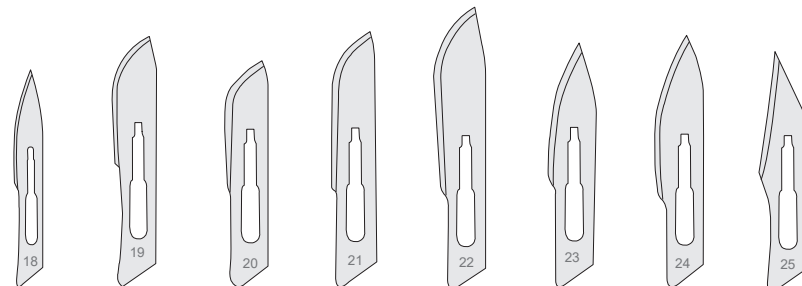
Surgical blades
without handle

ZB10 ZB11 ZB12 ZB12d ZB13 ZB15 ZB15c

Surgical blades with
plastic handle

ZBD10 ZBD11 ZBD12 ZBD15

For blade handle N° 4



N° 18 N° 19 N° 20 N° 21 N° 22 N° 23 N° 24 N° 25

Surgical blades
without handle

ZB18 ZB19 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**

SMI Spon

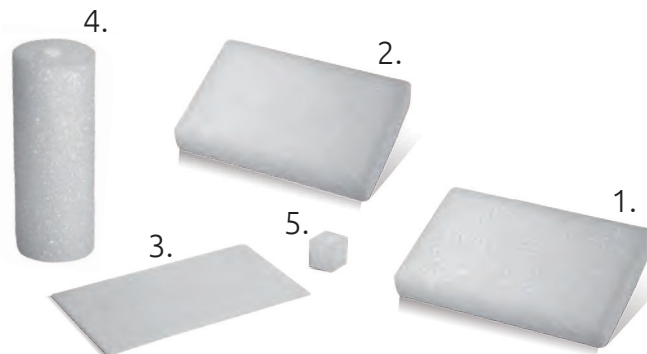
Absorbable Haemostatic Gelatin Sponge

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
6. FILM	200 x 70 x 0.5 mm	ZHG20070005

SMI-CEL

Absorbable Hemostat – Oxidized Regenerated Cellulose

COMPOSITION:

Sterile absorbable knitted fabric prepared by the controlled oxidation of regenerated cellulose

INDICATIONS:

Used adjunctively in surgical procedures to assist in the control of capillary, venous, and small arterial bleeding
Biocompatible, providing rapid hemostasis and absorbed by the body within 7 - 14 days

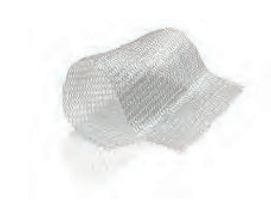
SMI-CEL STANDARD

1.25 cm x 5 cm	12 pc.	ZHCS012050
5 cm x 7.5 cm	12 pc.	ZHCS050075
5.1 cm x 35.6 cm	12 pc.	ZHCS051356
7.5 cm x 10 cm	12 pc.	ZHCS075100
10 cm x 20 cm	12 pc.	ZHCS100200



SMI-CEL FIBRIL

2.6 cm x 5.1 cm	10 pc.	ZHCF026051
5.1 cm x 10.2 cm	10 pc.	ZHCF051102
10.2 cm x 10.2 cm	10 pc.	ZHCF102102



SMI-CEL KNIT

2.6 cm x 2.6 cm	12 pc.	ZHCK026026
7.6 cm x 10.2 cm	12 pc.	ZHCK076102
15.2 cm x 22.9 cm	12 pc.	ZHCK152229
10.2 x 10.2 cm	12 pc.	ZHCK102102



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

Cervix set

Shirodkar cervix suture set

2 x blunt needle



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



2 x HRT 48 mm	EP 6 / USP 8 polyester green thread 75 cm	ZCE9
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nylon tape

3 mm nylon tape 70 cm	ZCE06
6 mm nylon tape 70 cm	ZCE07
6 mm nylon tape 100 cm	ZCE09

polyester tape

4 mm wide 75 cm	ZCE08
4 mm wide 2 x 75 cm	ZCE08-2

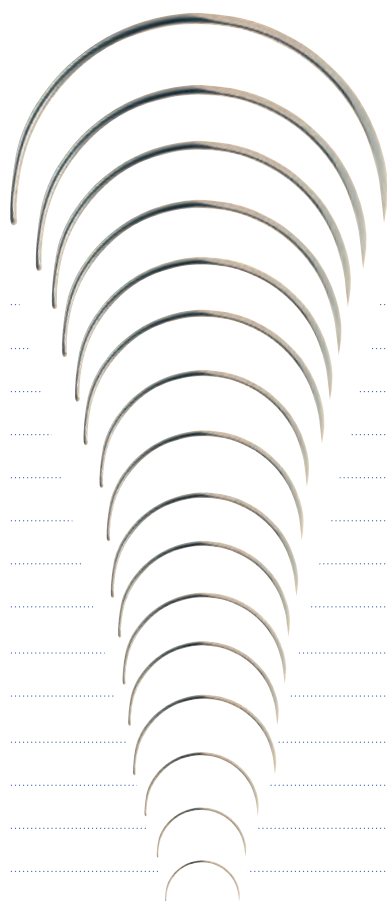
Bühner band



Polyester tape 6.5 mm x 80 cm, sterile ZCE20

- ☒ Vaginal tape
- ☒ Umbilical tape
- ☒ Bühner band

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

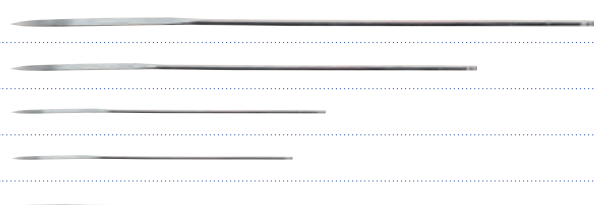
135 mm

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

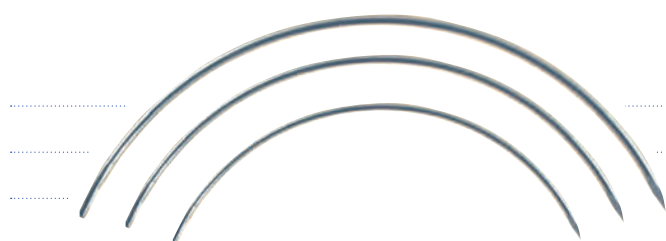


Ordinary Eye



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