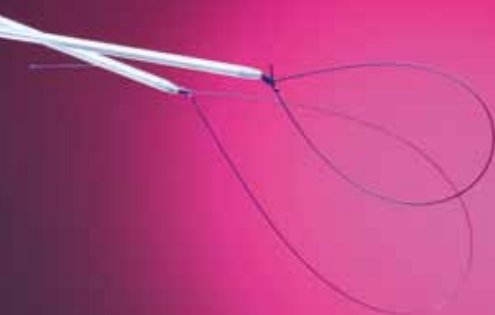


Suture material and special products for

MINIMALLY INVASIVE SURGERY

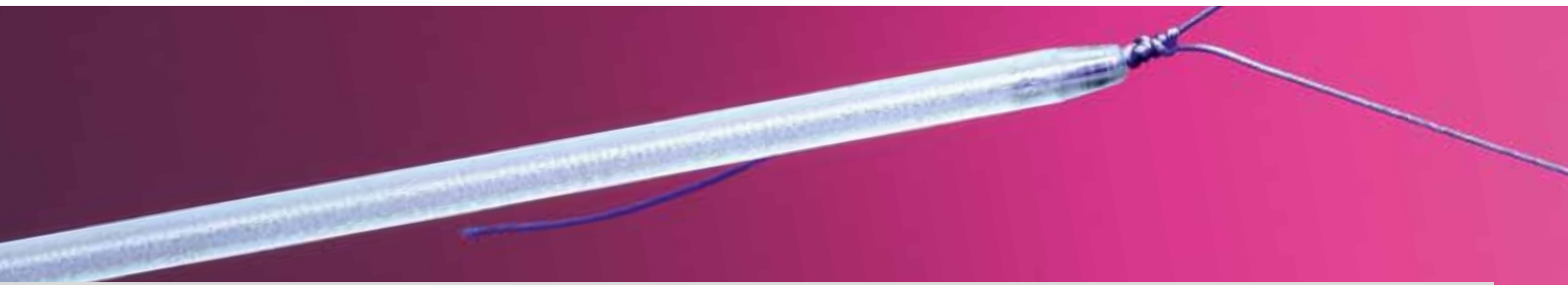
Surgical sutures



150
YEARS
1866 - 2016



SERAG
WIESSNER



Convincing down to the smallest detail

Decades of experience

Hi-tech and hand-crafted

As the oldest German manufacturer of surgical suture material, SERAG-WIESSNER uniquely combines decades of experience with the latest medical know-how. It is 150 years since the company began manufacturing sterile catgut.

The manufacture of surgical suture material is characterised by the contrast between state-of-the-art production technology and a large number of manual production processes. At SERAG-WIESSNER, we manufacture and sterilise needle-suture combinations in our cleanrooms using computer-controlled automated equipment. At the same time, many of the production steps require the precise manual skills of our highly experienced employees. To ensure consistently high quality, we

maintain a certified quality management system in accordance with DIN EN ISO 13485 international standards.





SERAFIT® stiffened

SERAFIT®, with its patented thread stiffening, is a braided absorbable suture made of polyglycolic acid. In contrast to the traditionally used material, SERAFIT® is stiffened with a special coating, which gives the thread greater stability of shape, as is required for loops.

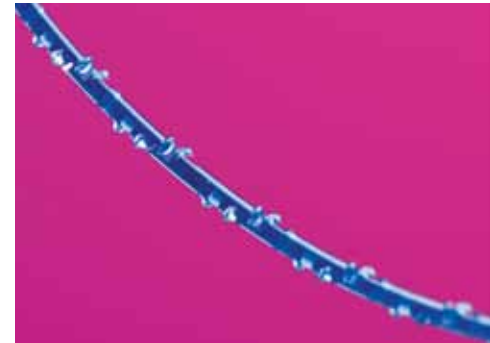
This material is also particularly suitable for intracorporeal knotting.

The above illustration clearly shows the advantages of using stiffened suture material for loops.

SERASYNTH® LOC

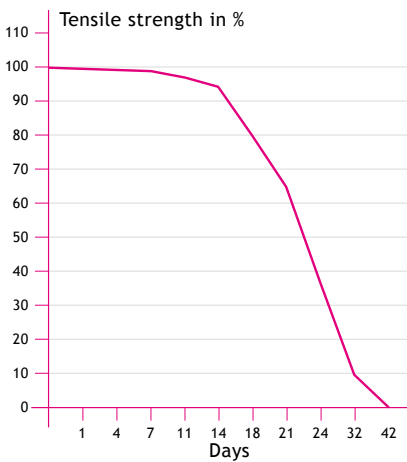
Until now, it has been essential to secure sutures with the first knot. SERASYNTH® LOC now makes this step superfluous. The start of the suture is welded into a stable loop. At first glance, a minor modification, but one that saves the surgeon time and makes a third, helping hand unnecessary. A look at the details shows another crucial benefit. The suture has monodirectionally aligned barbs at regular intervals.

Special products

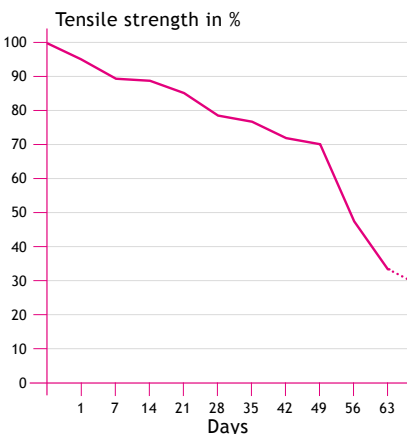




Absorbable



Absorption profile of SERAFIT® violet EP 2, USP 3-0



Absorption profile of SERASYNTH® violet EP 2, USP 3-0

SERAFIT®

Non-stiffened SERAFIT® (violet) is a braided absorbable suture made of polyglycolic acid, with a special coating. Together with the distinctive braided structure, this gives the thread optimal properties, in particular: excellent flexibility, easy passage through the tissues, minimal sawing effect and good knot security. Non-stiffened SERAFIT® is used in minimally invasive surgery for extracorporeal knotting.

Stiffened SERAFIT® (violet) is the same basic material, but it holds its shape thanks to a special treatment of the thread. Stiffened material is used for loops and for intracorporeal knotting. Its half-life is about 18 days. The thread is completely absorbed within 60-90 days.

SERASYNTH®

SERASYNTH® (violet) shows ideal absorbability for indications where a long-term wound healing is required or where a secure wound adaptation over a longer period of time is generally advisable. The material is characterised by its extremely smooth passage through the tissues, as well as its high linear and knot tensile strength.

Its half-life is approximately 28-42 days and the absorption time is 180-210 days.

SERASYNTH® LOC

SERASYNTH® LOC which is based on SERASYNTH®, is a monofilament polydioxanone thread with barbs, has a half-life of 28 - 42 days and is completely absorbed after 180 - 210 days.



SULENE®

SULENE® (green) is a non-absorbable suture, made of braided polyester. The special coating greatly reduces the sawing effect that invariably occurs with braided sutures and reduces capillarity to a minimum.



multifilament, braided, coated

SERALENE®

SERALENE® (blue) is a non-absorbable suture made from polyvinylidene fluoride (PVDF). PVDF is related to PTFE. In comparison with polypropylene, SERALENE® has a smooth pore-free surface, which ensures an optimally smooth passage through the tissues. The thread is characterised by a high tensile strength and the tissues heal well around the sutures. SERALENE® therefore has all the positive characteristics of polypropylene. In addition, PVDF offers high elasticity and optimal tying properties.



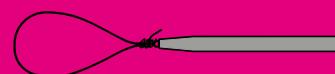
monofilament

Non-absorbable

Material	Size/USP	Size/EP	Length of Loop/metres	Units per box	Code number
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SERAG-BINDER

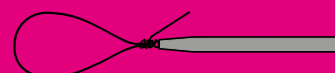
Ligature loops with introducer



SERAFIT® violet (stiffend)	2/0	3	0,20	12	7Z301700
SERAFIT® violet (stiffend)	0	3,5	0,20	12	7Z351700
SERAFIT® violet (stiffend)	1	4	0,20	12	7Z401700
SERASYNTH® violet	2/0	3	0,20	12	9Z301700
SERASYNTH® violet	0	3,5	0,20	12	9Z351700
SERASYNTH® violet	1	4	0,20	12	9Z401700
SERALENE® blue	2/0	3	0,20	12	LZ301700
SERALENE® blue	0	3,5	0,20	12	LZ351700
SERALENE® blue	1	4	0,20	12	LZ401700
SERALENE® blue	2	5	0,20	12	LZ501700

ENDO-LOOP

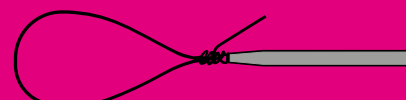
Semm's security loop with 5 cm long thread end and introducer



SERAFIT® violet (stiffend)	2/0	3	0,20	12	7Z306700
SERAFIT® violet (stiffend)	0	3,5	0,20	12	7Z356700
SERAFIT® violet (stiffend)	1	4	0,20	12	7Z406700
SERALENE® blue	0	3,5	0,20	12	LZ356700
SERALENE® blue	1	4	0,20	12	LZ406700

C*I*S*H*-ENDO-LOOP

Semm's security loop with 5 cm long thread end, larger loop and introducer



SERAFIT® violet (stiffend)	0	3,5	0,30	12	7Z353200
SERAFIT® violet (stiffend)	1	4	0,30	12	7Z403200
SERALENE® blue	1	4	0,30	12	LZ403200

SERAFIT-LOOP

For instruments ligating deeper tissues



SERAFIT® violet (stiffened)	0	3,5	1 x 0,60*	12	7Y352800
SERAFIT® violet (stiffened)	1	4	1 x 0,60*	12	7Y402800
SERAFIT® violet	1	4	1 x 0,60*	12	6Y402800

* Length of Suture/metres

Needle

Material

Size/USP

Size/EP

Length of Suture/metres

Units per box

Code Number

LOOP SUTURES

for intracorporeal knotting

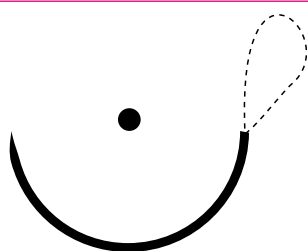
DR-17



SERASYNTH® violet
SERASYNTH® violet

3/0	2	1 x 0,30	12	9I20052A
3/0	2	1 x 0,40	12	9I20112A

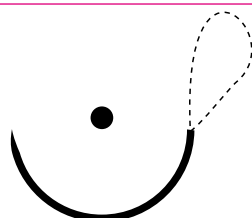
HRT-48



SERASYNTH® violet

1	4	1 x 1,50	12	9I40512D
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HRX-36



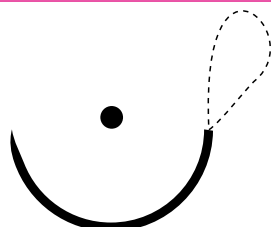
SERAFIT® violet

1	4	1 x 1,35	12	6I407648
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SERASYNTH® violet

1	4	1 x 1,50	12	9I405148
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HRX-40



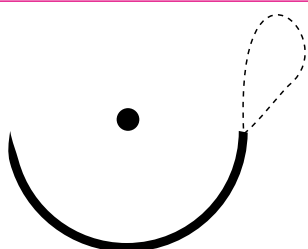
SERAFIT® violet
SERAFIT® violet

1	4	1 x 0,90	12	6I404449
1	4	1 x 1,35	12	6I407649

SERASYNTH® violet
SERASYNTH® violet

0	3,5	1 x 1,50	12	9I355149
1	4	1 x 1,50	12	9I405149

HRX-48



SERAFIT® violet

1	4	1 x 1,35	12	6I407650
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SERASYNTH® violet

1	4	1 x 1,80	12	9I409G50
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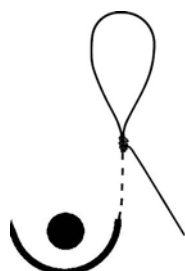
SERALENE® blue

1	4	1 x 1,50	12	LI405150
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PEXIE

Endo suture with prepared first knot

HRX-22



SERASYNTH® violet

3/0	2	1 x 0,20	12	93200346
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SULENE® green

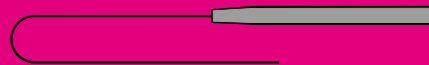
0	3,5	1 x 0,20	12	Q3350346
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SPECIAL SUTURES
PRODUCT RANGE

Needle	Material	Size/USP	Size/EP	Length of Suture/metres	Units per box	Code Number
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ENDO-LIGATURES

with introducer for extracorporeal knotting



	SERALENE® blue	0	3,5	1 x 1,20	12	LZ354800
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ENDO-SUTURE

without introducer for intracorporeal knotting

GR-20



	SERAFIT® violet (stiffened)	2/0	3	1 x 0,20	12	70300329
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LR-20



	SERAFIT® violet (stiffened)	4/0	1,5	1 x 0,20	12	701503A3
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LR-25



	SERAFIT® violet (stiffened)	2/0	3	1 x 0,20	12	703003A4
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ENDO-SUTURE

for laparoscopic suturing / without introducer for extracorporeal knotting

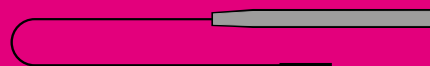
GR-20



	SERAFIT® violet with stiffened thread end	2/0	3	1 x 1,10	12	60305329
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ENDO-SUTURE

with introducer for extracorporeal knotting



LR-25



	SERAFIT® violet	2/0	3	1 x 1,10	12	6Z3053A4
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ENDO-SUTURE

without introducer for intracorporeal knotting

GR-20



	SERAFIT® violet (stiffend)	2/0	3	1 x 0,20	12	70300329
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HRX-27









	SERAFIT® violet (stiffend)	2/0	3	1 x 0,20	12	70300347
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Needle		Material	Size/USP	Size/EP	Length of Suture/metres	Units per box	Code Nummer
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ENDO-SUTURE

with introducer for extracorporeal knotting

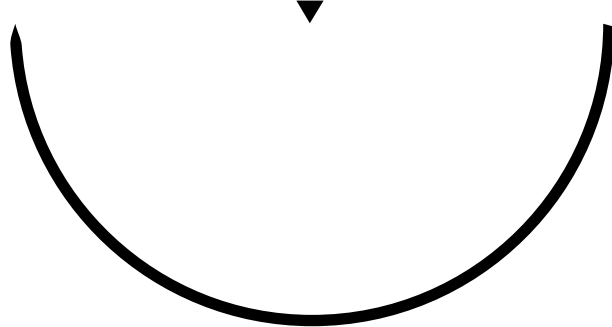


DR-15		SERALENE® blue	2/0	3	1 x 1,00	12	LZ304603
GR-20		SERAFIT® violet	4/0	1,5	1 x 1,10	12	6Z155329
		SERAFIT® violet	2/0	3	1 x 1,10	12	6Z305329
		SERASYNTH® violet	2/0	3	1 x 1,10	12	9Z305329
GS-25		SERAFIT® violet	1	4	1 x 1,10	12	6Z405334
		SERASYNTH® violet	0	3,5	1 x 1,10	12	9Z355334
		SERASYNTH® violet	1	4	1 x 1,10	12	9Z405334
		SERALENE® blue	1	4	1 x 1,20	12	LZ404834
GS-35		SERAFIT® violet	1	4	1 x 0,80	12	6Z4042A8
		SERAFIT® violet	1	4	1 x 1,10	12	6Z4053A8
		SERASYNTH® violet	0	3,5	1 x 1,10	12	9Z3553A8
		SERALENE® blue	1	4	1 x 0,80	12	LZ4042A8
KS-22		SERAFIT® violet	3/0	2	1 x 1,10	12	6Z205374
KS-30		SERALENE® blue	0	3,5	1 x 1,20	12	LZ3548A7

Further items and combinations available on request

EMERGENCY SUTURE



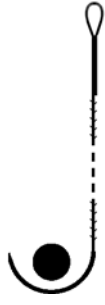
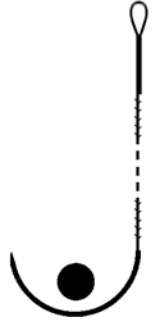
with support plate

HS-120		SULENE® geen	3+4	6	1 x 0,75	3	QU603468
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SPECIAL SUTURES PRODUCT RANGE

SERASYNTH® LOC

SPECIAL SUTURES

Needle		Size USP	Size EP	Length of Suture/metres	Units per box	Code Nummer
DSS-18		4/0	1,5	1 x 0,30 m	12	MI915051M
		3/0	2	1 x 0,45 m	12	MI920131M
		2/0	3	1 x 0,45 m	12	MI930131M
DSS-24		3/0	2	1 x 0,30 m	12	MI920051N
		2/0	3	1 x 0,30 m	12	MI930051N
		2/0	3	1 x 0,45 m	12	MI930131N
HR-17		4/0	1,5	1 x 0,30 m	12	MI9150576
		3/0	2	1 x 0,15 m	12	MI9200276
		3/0	2	1 x 0,20 m	12	MI9200376
HR-26		4/0	1,5	1 x 0,20 m	12	MI9150341
		3/0	2	1 x 0,15 m	12	MI9200241
		3/0	2	1 x 0,20 m	12	MI9200341
		3/0	2	1 x 0,30 m	12	MI9200541
		3/0	2	1 x 0,45 m	12	MI9201341
		2/0	3	1 x 0,30 m	12	MI9300541
		2/0	3	1 x 0,45 m	12	MI9301341

Needle

Size USP

Size EP

Length of Suture /metres

Units per box

Code Number

HRX-27



3/0	2	1 x 0,20 m	12	MI9200347
2/0	3	1 x 0,20 m	12	MI9300347
0	3,5	1 x 0,20 m	12	MI9350347

HRX-36



3/0	2	1 x 0,20 m	12	MI9200348
2/0	3	1 x 0,20 m	12	MI9300348
2/0	3	1 x 0,30 m	12	MI9300548
2/0	3	1 x 0,45 m	12	MI9301348
0	3,5	1 x 0,30 m	12	MI9350548
0	3,5	1 x 0,45 m	12	MI9351348

SERASYNTH[®] LOC


SPECIAL SUTURES


150
YEARS
1866 - 2016




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