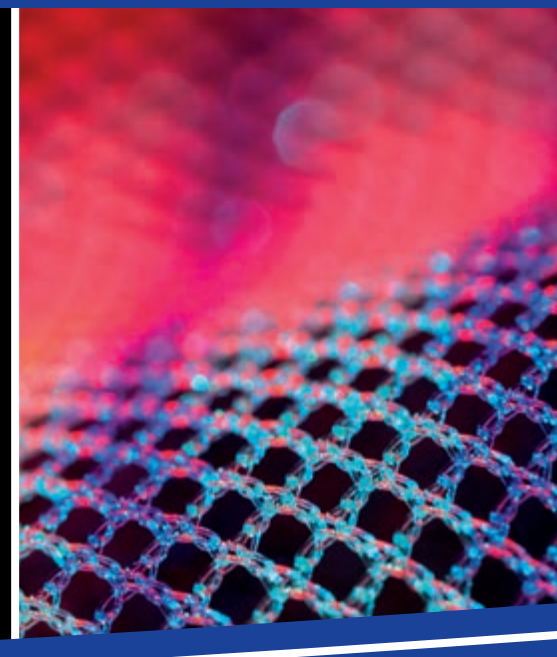
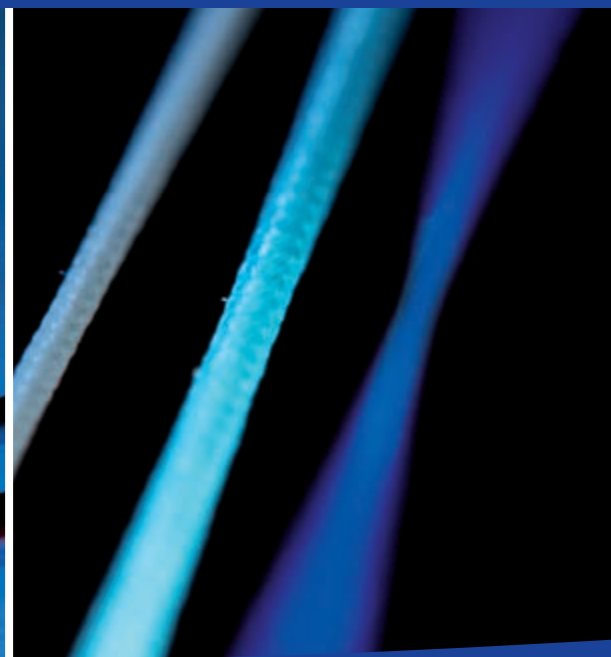




Surgical Sutures & Meshes

State of the art



When experience matters

Our surgical sutures are manufactured in line with state of the art technology. Each individual production process is subject to strict scientific quality control.

Continuous inspection of both mechanical and microbiological characteristics is given top priority. We have more than 85 years of experience in manufacturing surgical sutures.

Our team understands the specific needs of medical professionals by providing them with access to the most complete portfolio of surgical sutures. The result is the current modern product range of absorbable and non-absorbable sutures, which consists of more than 1500 individual surgical suture products.

Production takes place in accordance with GMP guidelines, and a comprehensive quality management system in line with ISO 13485 has been implemented.

All products have been CE marked since 1999.



Contents

Overview of Surgical Sutures

Absorbable	Page 6
Non-absorbable	Page 10
Labelling and Packaging	Page 12
Needle geometry	Page 16
Needle range	Page 19

Surgical Sutures

Absorbable Sutures	Page 27
Chirasorb rapid braided	Page 29
Chirlac rapid braided	Page 39
Monolac monofilament	Page 51
Chirasorb braided	Page 63
Chirasorb Plus braided	Page 83
Chirlac braided	Page 99
Polydox monofilament	Page 119

Non-absorbable Sutures	Page 131
Chirafilon monofilament	Page 133
Chiralen monofilament	Page 139
Silon monofilament	Page 153
Tervalon braided	Page 165
Silon braided/Orsilon braided	Page 177
Silk braided	Page 187
Steel Wire	Page 195

Special products

Ophthalmic - Microsurgery	Page 200
Eye needles	Page 203
Eye needles - Double spring	Page 203
Eye needles - Regular	Page 209

Surgical Meshes

Partially absorbable meshes	Page 212
Capromesh	Page 212

Non-absorbable meshes	Page 214
Chiralen meshes	Page 214
Chiralen meshes light	Page 214

Veterinary

Absorbable bottles	Page 218
Chirasorb braided	Page 218
Chirlac braided	Page 218
Polydox monofilament	Page 218

Non-absorbable bottles	Page 219
Silon monofilament	Page 219
Tervalon braided	Page 219
Silon braided	Page 219
Silk braided	Page 219

The CTI group	Page 221
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Surgical Sutures - Colour coding



Surgical Sutures - Absorbable threads

UK03
6

CHIRASORB rapid braided

Intended for use in Skin closure, Paediatric surgery, Episiotomies, Circumcision, Closure of oral mucosa and Ophthalmic surgery for conjunctival sutures.



Composition	Colour	Range	Characteristics
Braided and coated suture made from 90% glycolide and 10% L-lactide	Violet and Natural	6/0 to 2 USP	Absorbable, multifilament, coated, synthetic, high tensile strength, reduced capillary effect, short-term healing

CHIRASORB Plus braided

Antibacterial

Intended for use in general soft tissue approximation and/or ligation in all specialties.



Composition	Colour	Range	Characteristics
Antibacterial, braided and coated suture made from 90% glycolide, 10% L-lactide and chlorhexidine diacetate	Violet and Natural	5/0 to 4 USP	Absorbable, multifilament, anti-bacterial coating, synthetic, high tensile strength, reduced capillary effect, mid-term healing

CHIRLAC rapid braided

Intended for use in Gynaecology, Skin Closure, Ophthalmic, Odontology and Paediatric surgery.



Composition	Colour	Range	Characteristics
Braided and coated suture made of Polyglycolic acid (PGA)	Violet and Natural	6/0 to 4 USP	Absorbable, multifilament, coated, synthetic, high tensile strength, reduced capillary effect, short-term healing

CHIRLAC braided

Intended for use in general soft tissue approximation and/or ligation, surgical adaptation of Muscles and Fascia, suturing of Parenchymal organs, Peripheral nerves and ligatures of small vessels and for Intradermal suturing.



Composition	Colour	Range	Characteristics
Braided and coated suture made of Polyglycolic acid (PGA)	Violet and Natural	9/0 to 6 USP	Absorbable, multifilament, coated, synthetic, high tensile strength, reduced capillary effect, mid-term healing

MONOLAC monofilament

General soft tissue approximation and/or ligation in all specialties, where an absorbable material is indicated.



Composition	Colour	Range	Characteristics
Monofilament suture made of Glycolide and ε-caprolactone	Violet and Natural	6/0 to 2 USP	Absorbable, monofilament, synthetic, high tensile strength, excellent handling properties, mid-term healing

POLYDOX monofilament

Intended for use in general soft tissue approximation, Orthopaedics, Fascia Closure, Urology, Gynaecology and Plastic surgery. Recommended for long-term healing.



Composition	Colour	Range	Characteristics
Monofilament suture made of Poly-p-dioxanone	Violet and Natural	7/0 to 4 USP	Absorbable, monofilament, synthetic, high tensile strength, excellent knotting properties, long-term healing

CHIRASORB braided

Intended for use in general soft tissue approximation and/or ligation in all specialties, including use in Ophthalmic surgery.



Composition	Colour	Range	Characteristics
Braided and coated suture made from 90% glycolide and 10% L-lactide	Violet and Natural	10/0 to 6 USP	Absorbable, multifilament, coated, synthetic, high tensile strength, reduced capillary effect, mid-term healing

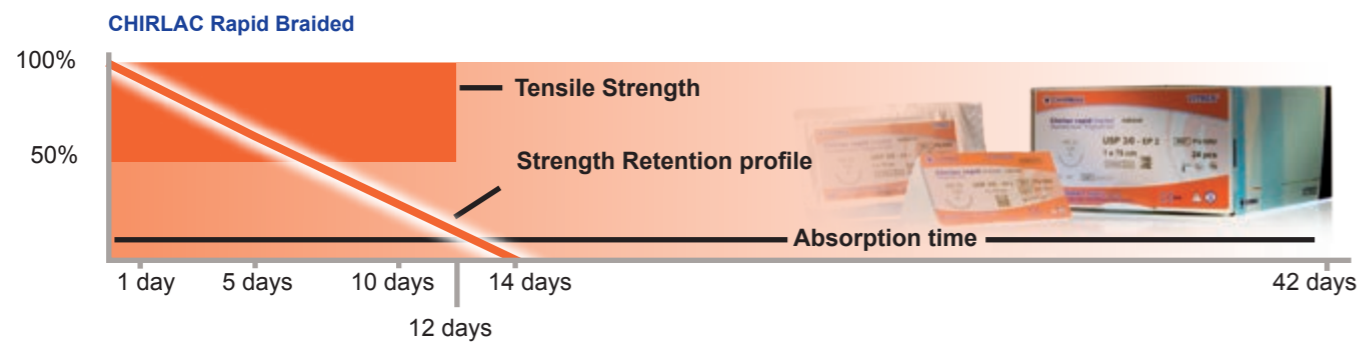
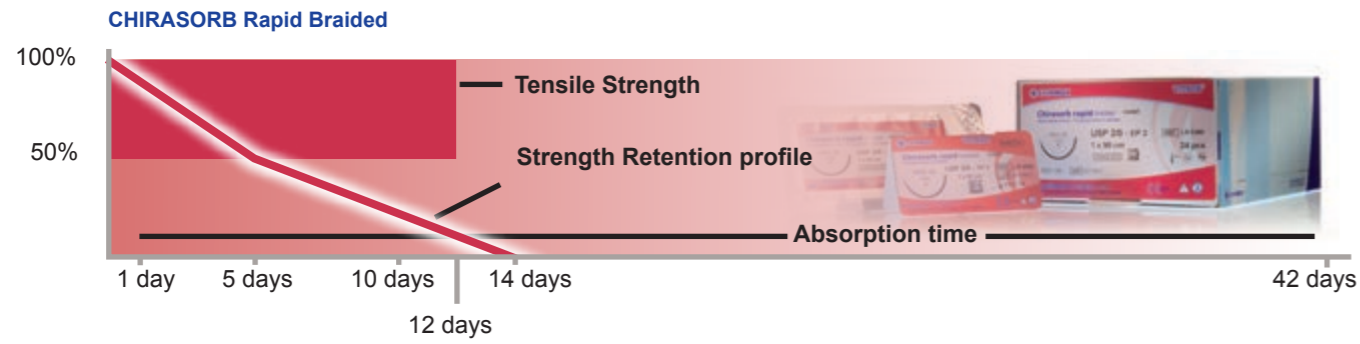
UK03
7

Surgical Sutures - Overview

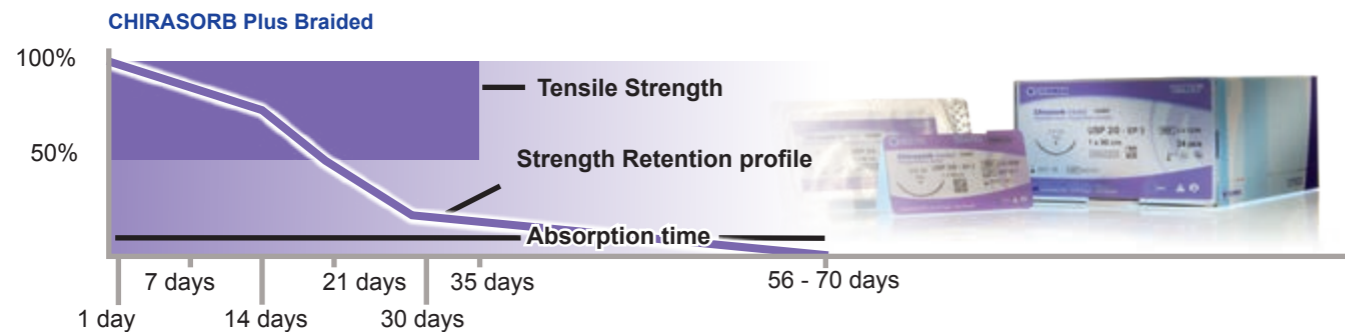
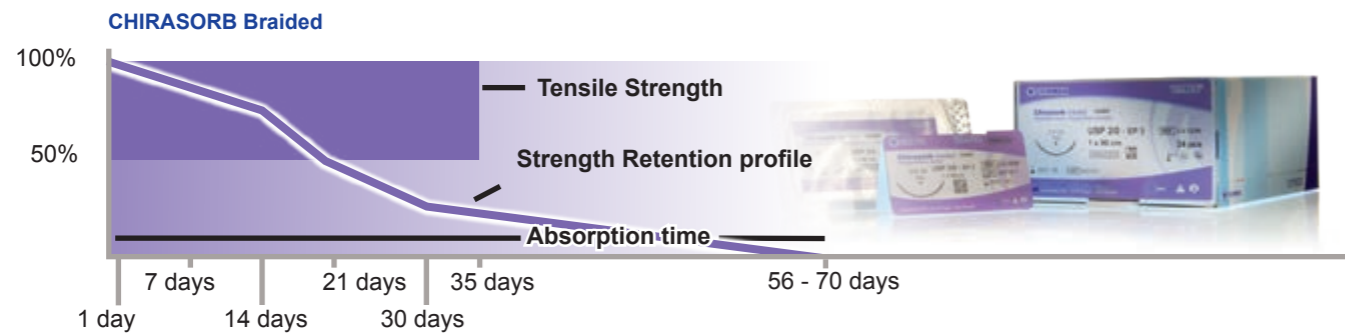
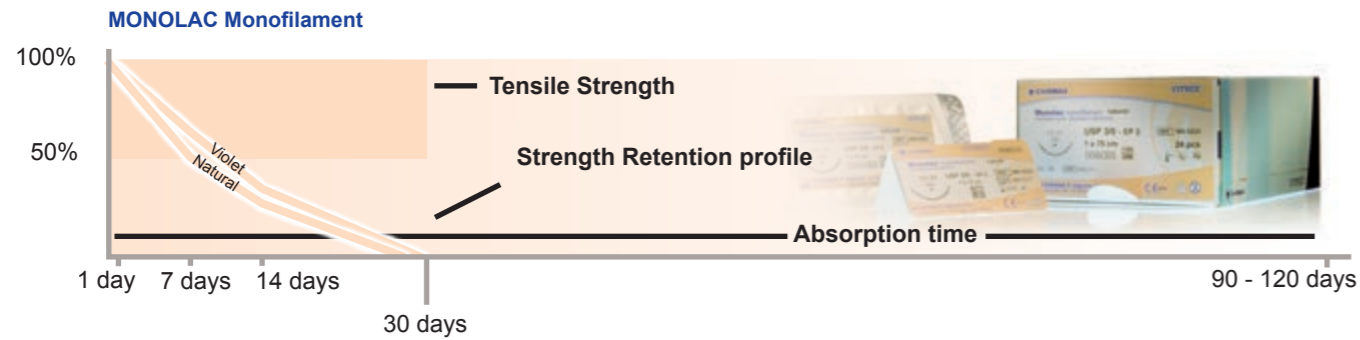
Surgical Sutures - Overview

Surgical Sutures - Absorbable threads

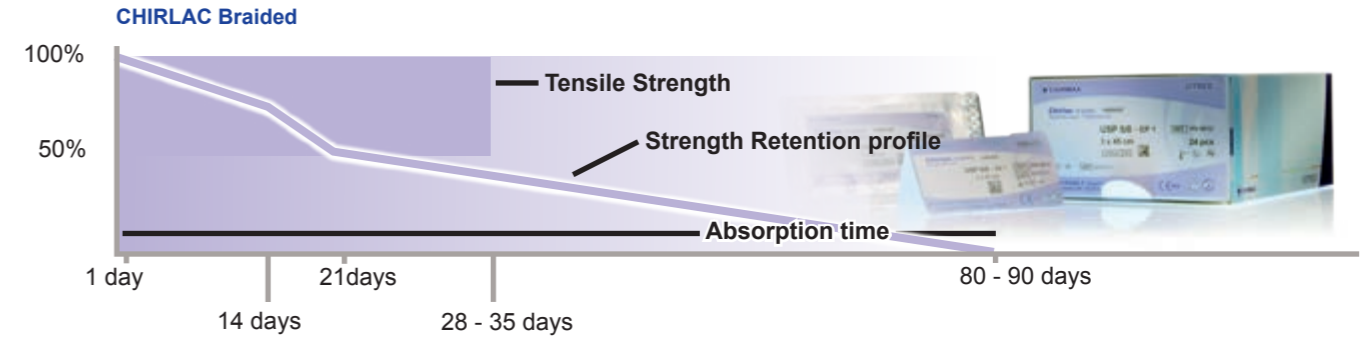
SHORT-TERM HEALING



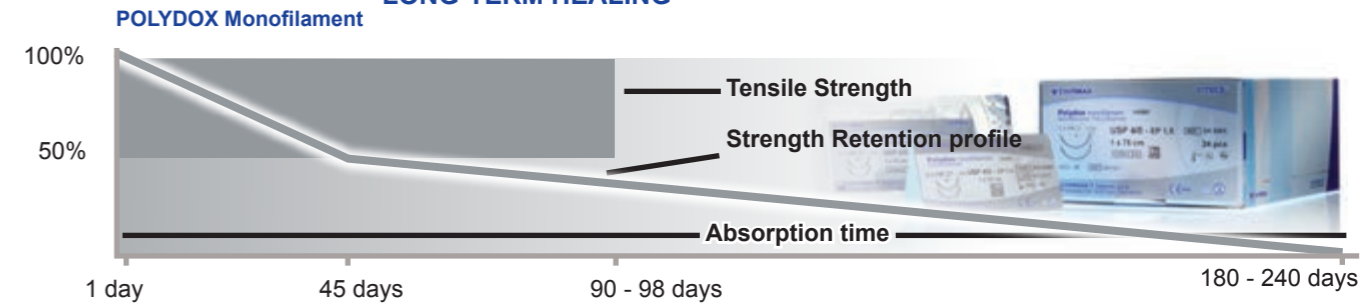
MID-TERM HEALING



MID-TERM HEALING



LONG-TERM HEALING



VITREX MEDICAL SUTURES	Strength Retention profile	Tensile Strength	Absorption time
CHIRASORB RAPID BRAIDED	SHORT-TERM HEALING 1 day 100% 5 days 50% 10 - 14 days 0%	12 days	42 days
CHIRLAC RAPID BRAIDED	SHORT-TERM HEALING 1 day 100% 5 days 60% 10 - 14 days 0%	12 days	42 days
MONOLAC MONOFILAMENT	MID-TERM HEALING 1 day 100% 7 days 60% (violet) 14 days 50% (natural) 14 days 30% (violet) 28 days 20% (natural) 28 days 0%	30 days	90 - 120 days
CHIRASORB BRAIDED	MID-TERM HEALING 1 day 100% 14 days 75% 21 days 50% 30 days 25% 56 - 70 days 0%	35 days	56 - 70 days
CHIRASORB PLUS BRAIDED	MID-TERM HEALING 1 day 100% 14 days 75% 21 days 50% 56 - 70 days 0%	35 days	56 - 70 days
CHIRLAC BRAIDED	MID-TERM HEALING 1 day 100% 14 days 65% - 75% 21 days 45% - 50% 80 - 90 days 0%	28 - 35 days	80 - 90 days
POLYDOX MONOFILAMENT	LONG-TERM HEALING 1 day 100% 45 days 50% 180 - 240 days 0%	90 - 98 days	180 - 240 days

Surgical Sutures - Non-absorbable threads

CHIRAFLON monofilament

Intended for use in all surgical specialities, especially Orthopaedic, Traumatology (tendons), Plastic and Ophthalmic surgery (optimal, temporary, easily, removable suture).



Composition	Colour	Range	Characteristics
Monofilament suture made of Polyvinylidene Fluoride (PVDF) - similar to Teflon	Blue	8/0 to 3 USP	Non-absorbable, monofilament, synthetic, no capillary effect, very smooth, excellent knotting properties, easy to handle, physiologically inert

CHIRALEN monofilament

Intended for use in all surgical specialities, especially Cardiovascular, Plastic, Reconstructive, Ophthalmic, Orthopaedics and Traumatology (tendons).



Composition	Colour	Range	Characteristics
Monofilament suture made of Polypropylene	Blue and Black	10/0 to 2 USP	Non-absorbable, monofilament, synthetic, no capillary effect, smooth, non-porous surface, suitable for stitches in infected wounds

SILON monofilament

Intended for use in Plastic and General surgery and wherever suturing the skin.



Composition	Colour	Range	Characteristics
Monofilament suture made of Polyamide 6	Blue and Black	10/0 to 2 USP	Non-absorbable, monofilament, synthetic, very smooth, excellent knotting properties, easy to handle, loss of tensile strength after long-term implantation

TERVALON braided

Intended for use whenever non-absorbability and low friction passage through tissues are needed. It is especially useful in suturing Tendons, Schwann sheaths and skin in Plastic and Reconstructive surgery.



Composition	Colour	Range	Characteristics
Braided and coated suture made of Polyester	Green and White	6/0 to 6 USP	Non-absorbable, multifilament, synthetic, high tensile strength, no capillary effect, well tolerated by the tissue, low friction

Surgical Sutures - Non-absorbable threads

SILON braided ORSILON braided

Intended for use in Skin Closure, Subcutaneous tissue, Transversely cut muscles, Fascia, Peritoneum, Gastrointestinal Tract and Blood vessels ligation.



Composition	Colour	Range	Characteristics
Braided suture made of Polyamide	White and Black	5/0 to 5 USP	Non-absorbable, multifilament, synthetic, high tensile strength, excellent knotting properties, loss of tensile strength after long-term implantation

SILK braided

Intended for use in Skin closure, Subcutaneous tissue, Fascia, Peritoneum, Plastic surgery, Gynaecology and the organs of the Gastrointestinal tract.



Composition	Colour	Range	Characteristics
Braided and coated suture made of Silk	Black	9/0 to 5 USP	Non-absorbable, multifilament, synthetic, no capillary effect, loss of tensile strength after long-term implantation

STEEL Wire

Intended for use in Abdominal wound closure, Sternal closure, Orthopaedic procedures and Tendons.



Composition	Colour	Range	Characteristics
Monofilament suture made of 316LVM Stainless steel	Steel	1 to 7 USP	Non-absorbable, monofilament, superior steel, flexible wire, excellent tissue penetration, high tensile strength

European Pharmacopoeia

The publication of the European Pharmacopoeia (Ph. Eur.) resulted in a standardization of the classification of threads and gauges of surgical suture material.

The Ph. Eur. specifies a decimal classification and metric coding for the gauges. It quotes a thread diameter of 1/10 mm, so that the thread gauge of 3.5 has a diameter of 0.35 mm.

The following table of the gauges gives a comparison of the metric and the USP gauge coding.

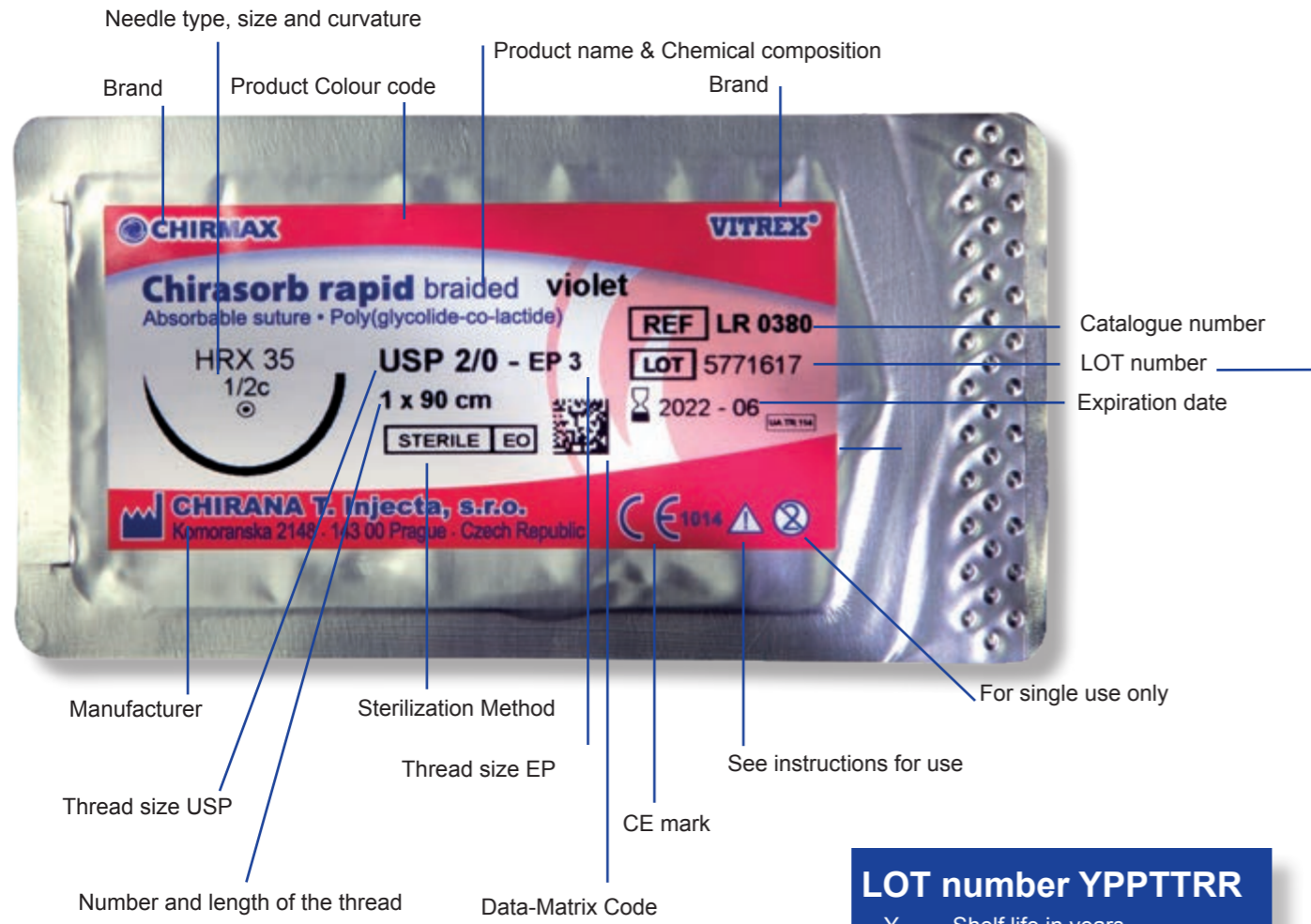
EP/Metric	USP	Ø (mm)	Ø (mm) Absorbable monofilaments
0.2	10-0	0,020-0,029	
0.3	9-0	0,030-0,039	
0.4	8-0	0,040-0,049	
0.5	7-0	0,050-0,069	0,050-0,094
0.7	6-0	0,070-0,099	0,095-0,149
1	5-0	0,100-0,149	0,150-0,199
1.5	4-0	0,150-0,199	0,200-0,249
2	3-0	0,200-0,249	0,250-0,339
3	2-0	0,300-0,349	0,340-0,399
3.5	0	0,350-0,399	0,400-0,499
4	1	0,400-0,499	0,500-0,570
5	2	0,500-0,599	0,571-0,610
6	3+4	0,600-0,699	
7	5	0,700-0,799	
8	6	0,800-0,899	



Labelling and Packaging

UK03
12

Surgical Sutures - Overview



LOT number YPPTTR

- Y - Shelf life in years
- PP - Production number
- TT - Week of production
- RR - Year of production



Packaging

The packaging of CTI's surgical suture material is stable, user-friendly and functional. It provides optimal mechanical and bacterial safety. The sutures are ready for use in a sterile foil or aluminium pack.

Each primary sales unit contains 24 individual packs, whereas some contain 12 individual packs (Loop sutures or Microsurgery sutures) or 20 individual packs (Chirapack sutures).

CTI short threads

Pre-cut length surgical sutures.

CTI atraumatic sutures

Pre-cut length surgical sutures, armed with a drilled end needle, ready for use. Removable needles are marked with an A behind the needle description.

CTI Chirapack

2.5 or 3 meters of suture material on a thread spool, ready for use. Each sales unit contains 20 individual packs.



Identification label

For quick registration

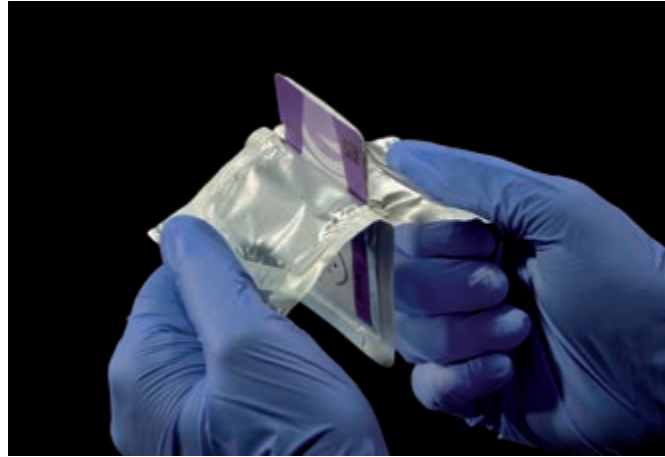
The label contains:

- Name of material
- Batch / LOT number
- Expiration date
- Catalogue number
- Manufacturer

CHIRASORB
LOT 5080814
2022-08 LV 0224
CHIRANA T. Injecta



How to unpack the suture - Alufoil



1. Open the non-sterile outer package



2. Transfer to sterile area



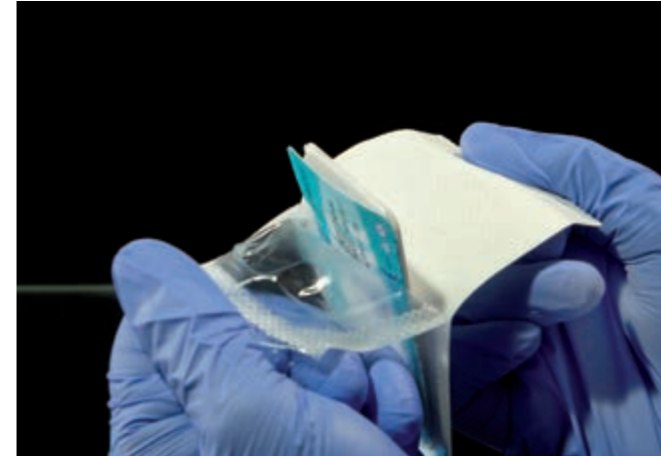
3. Tear off the opening system, indicated by the dotted line



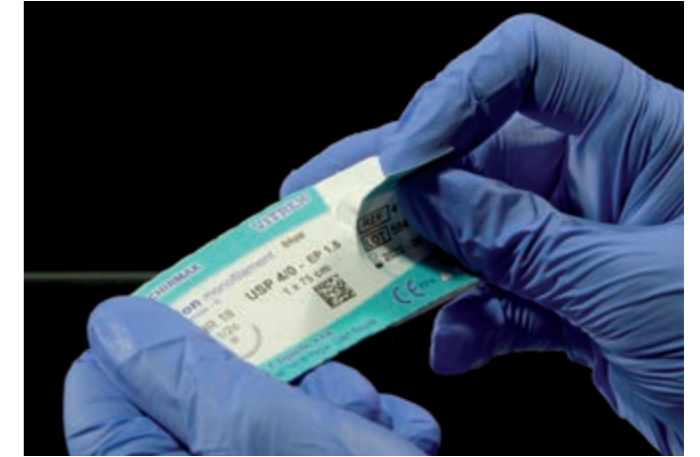
4. Take immediate, direct hold of the needle. Pull out the suture towards the right



How to unpack the suture - Blisterfoil



1. Open the non-sterile outer package



2. Transfer to sterile area



3. Tear off the opening system, indicated by the dotted line

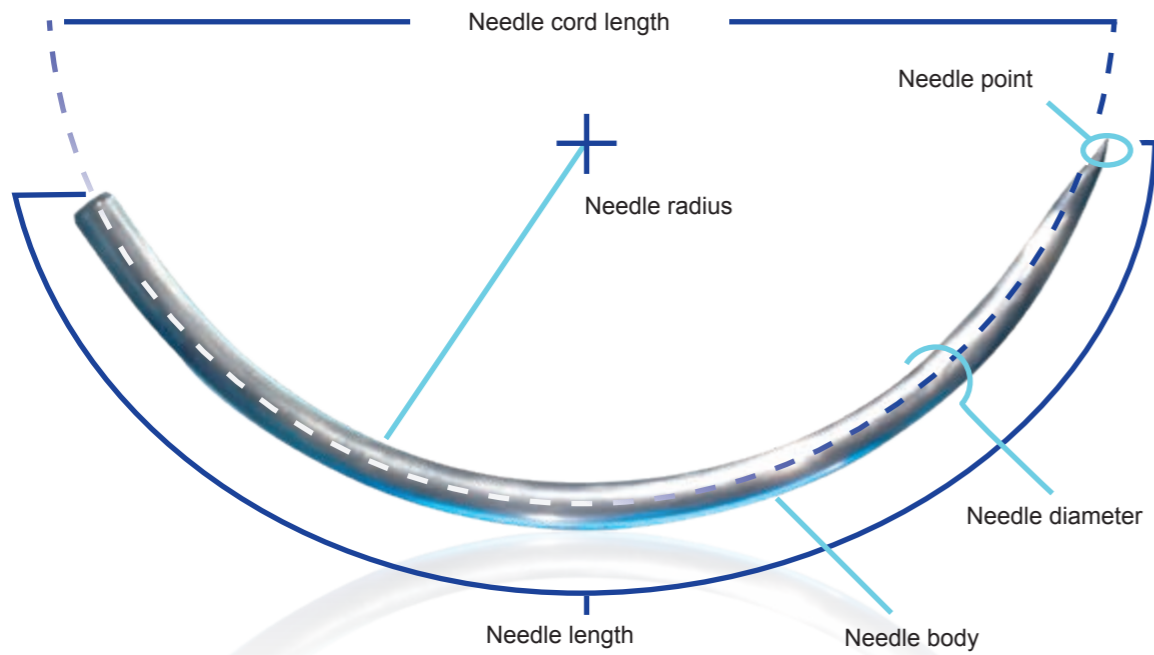


4. Take immediate, direct hold of the needle. Pull out the suture towards the right



Surgical Sutures - Needle geometry

UK03
16



Taper point
(round body)



Trapezoid spatulated



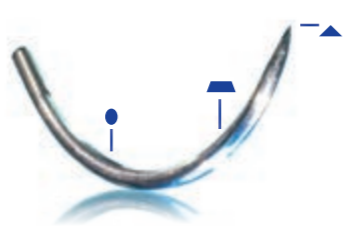
Conventional cutting
(inside cutting edge)



Tapercut



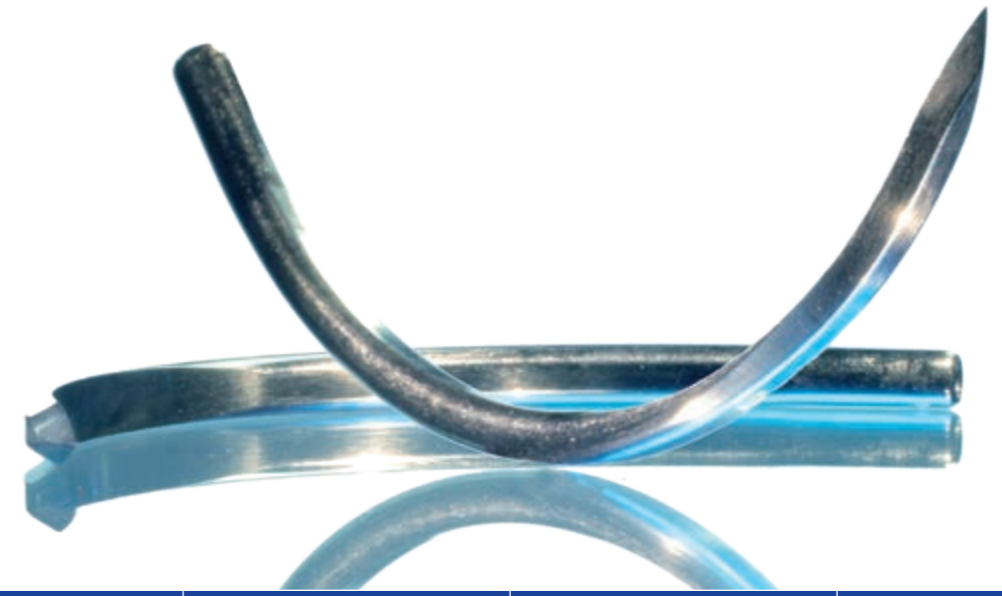
Reverse trapezoid spatulated



Reverse cutting
(outside cutting edge)

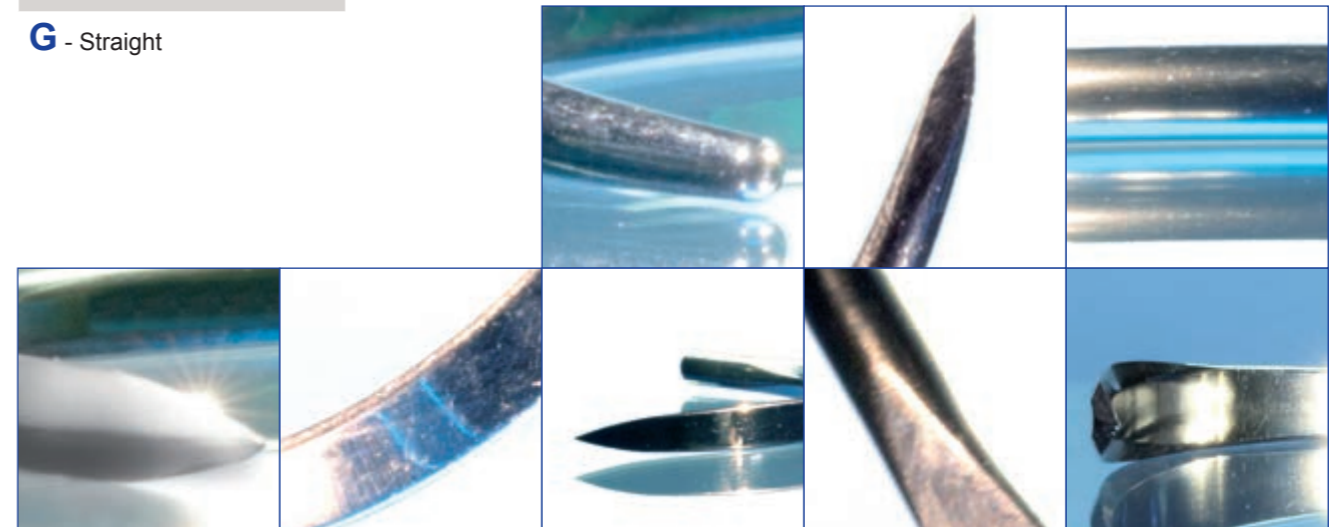


Blunt point



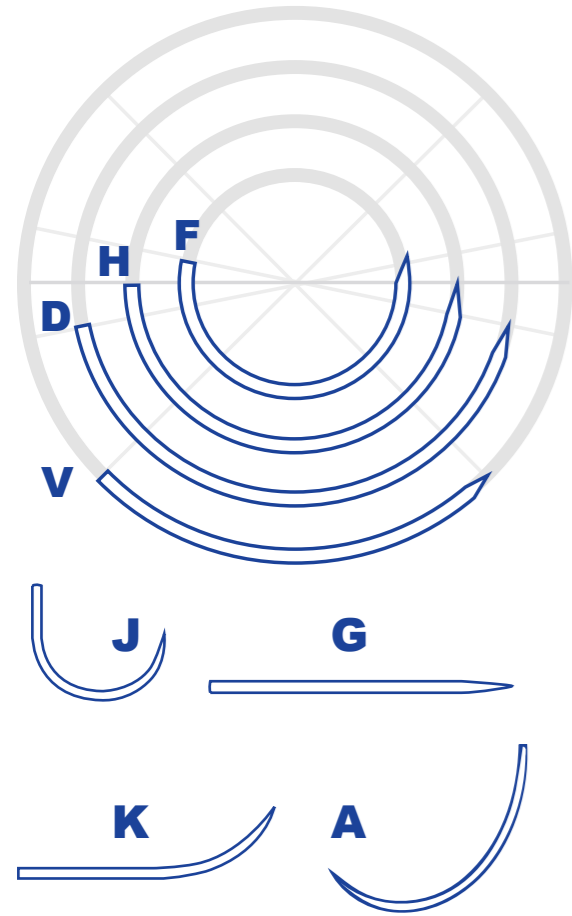
UK03
17

Needle Curvature	Needle Body	Needle Point	Speciality
V - 1/4	R - Round body	T - Tapercut	S - Slim, rectangular body
H - 1/2	S - Reverse cutting	N - Blunt	A - Take-off needle
D - 3/8	SC - Conventional cutting	M - Micropoint	X - Extra strong needle
F - 5/8	LZ - Spatula		Black - Black needle
J - Hook	RF - Round, flattened body		
A - Asymmetric			
K - Ski			
G - Straight			



Surgical Sutures - Needle geometry

Needle curvature



F	5/8 circle	Anal region, Nasal cavity, Urogenital tract, Pelvic region or other confined spaces.
H	1/2 circle	Gastrointestinal tract, Respiratory tract, Urogenital tract, Cardiovascular, Fascia, Muscle, Nasal cavity, Oral cavity, Eye, Pelvis, Skin, Tendons, Subcutaneous fat.
D	3/8 circle	Cardiovascular, Aponeurosis, Nerves, Dura-mater, Fascia, Periostium, Pleura, Urogenital tract, Myocardium, Skin, Eye, Muscles.
V	1/4 circle	Ophthalmology
J	Hook	Urology, laparoscopy
G	Straight	Nasal cavity, Gastrointestinal tract, Oral cavity, Skin, Tendons, Larynx, Vessels.
K	Ski	Laparoscopy, Skin. Allows easy removal of frag-ments and easy needle holder manipulation.
A	Asymmetric	Plastic, Aesthetics, Robotics, Endoscopy.

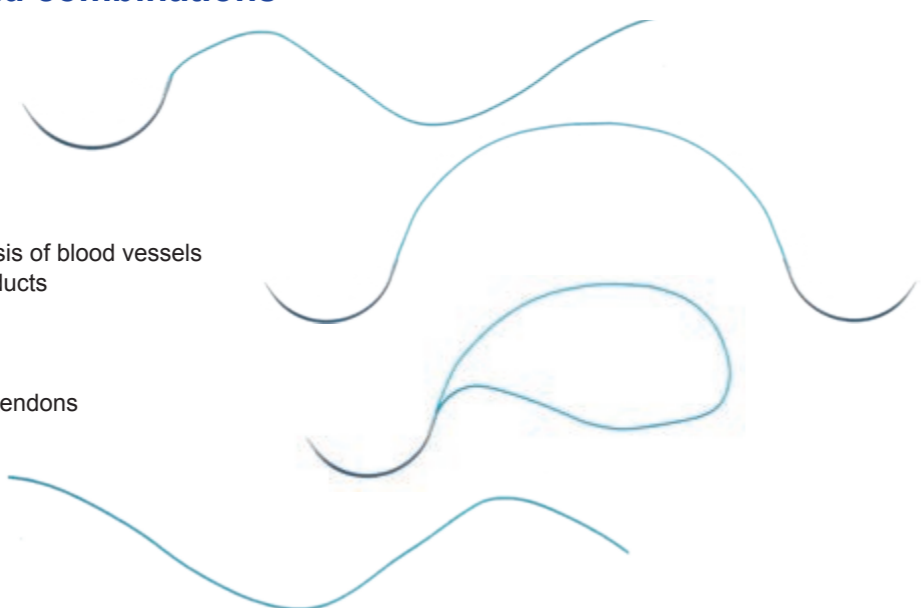
Needle/thread combinations

SINGLE ARMED
Single stitch
Continuous suture

DOUBLE ARMED
Mainly for anastomosis of blood vessels
or other anatomical ducts

LOOP
Abdominal wall and tendons

LIGATURES



Surgical Sutures - Needle range

HR	HR	HR
1/2 circle, round body needle	1/2 circle, round body needle	1/2 circle, round body needle
HR 8	HR 35	HR 50
HR 10	HR 37	HR 60
HR 13	HR 40	HR 65
HR 15	HR 43	HR 75
HR 16	HR 45	
HR 17	HR 48	
HR 18		
HR 22		
HR 25		
HR 26		
HR 26 Black		
HR 27		
HR 30		

Surgical Sutures - Needle range

Surgical Sutures - Needle range

UK03
20

HR s	HRX	HRX
½ circle, round body needle - slim	½ circle, round body needle - extra strong	½ circle, round body needle - extra strong
HR s 18 	HRX 22 	HRX 40
HR s 22 Black 	HRX 26 	HRX 45
HR s 27 Black 	HRX 27 	HRX 48
	HRX 30 	HRX 50
	HRX 35 	HRX 70
	HRX 36 	
	HRX 37 	

HRT	HRT	HRTX
½ circle, round body needle, tapercut	½ circle, round body needle, tapercut	½ circle, round body needle - extra strong, tapercut
HRT 10 	HRT 31 	HRTX 45
HRT 11 	HRT 37 	HRTX 50
HRT 13 	HRT 40 	
HRT 17 	HRT 45 	
HRT 20 	HRT 48 	
HRT 22 	HRT 50 	
HRT 25 		
HRT 26 		
HRT 30 		

UK03
21

HRN
½ circle, round body needle - blunt point
HRN 50



Surgical Sutures - Needle range

Surgical Sutures - Needle range

HRF ☹	DR ☺	DRT ☺
½ circle, flattened body needle, taper point	3/8 circle, round body needle	3/8 circle, round body needle, tapercut
HRF 13 	DR 6 	DRT 10
HRF 17 	DR 8 	DRT 10 Black
HRF 20 	DR 10 	DRT 11
HRF 22 	DR 12 	DRT 13
HRF 26 	DR 13 	DRT 17
HRF 31 	DR 15 	
	DR 17 	DRN ☺
	DR 18 	3/8 circle, round body needle, blunt point
	DR 21 	DRN 60
	DR 30 	FR ●
	DR 31 	5/8 circle, round body needle
		FR 27
		FR 38

GR ☺	JRT ☺	HS ▼
Straight, round body needle	Hook shaped, round body needle, tapercut	½ circle, reverse cutting needle
GR 20 	JRT 30 	HS 12
GR 45 		HS 15
GR 60 	J-RX ☺	HS 18
	Hook shaped, round body needle	HS 21
ART ☺	J-RX 22 	HS 22
Asymmetric, round body needle, tapercut	J-RX 30 	HS 25
ART 30 		HS 26
ART 30 Black 		HS 27
KR ☺		HS 30
Ski needle, round body		HS 36
KR 27 		

Surgical Sutures - Needle range

UK03
24

HS ▼	DS ▼	DS ▼
½ circle, reverse cutting needle	3/8 circle, reverse cutting needle	3/8 circle, reverse cutting needle
HS 37	DS 10	DS 30
	DS 12	DS 36
HS 40	DS 15	DS 37
	DS 16	DS 38
HS 45	DS 19	DS 40
	DS 20	DS 50
HS 48	DS 24	DS 60
	DS 25	DS 90
HS 50	DS 26	
HS 55		

Surgical Sutures - Needle range

UK03
25






















DSC ▲	DSM ▼	GS ▼
3/8 circle, conventional cutting needle	3/8 circle, reverse cutting needle, micropoint	Straight, reverse cutting needle
DSC 15	DSM 6.5	GS 13
	DSM 12	GS 50
DSC 16	DSM 15	GS 60
	DSM 19	GS 65
DSC 22	DSM 25	GS 75
DSC 25		
DSC 26		
DSC 40		
DSC 60		
DSC 90		

DSMC ▲
3/8 circle, conventional cutting needle, micropoint
DSMC 16
DSMC 19
DSMC 20



Surgical Sutures - Needle range

Microsurgery

DR 	HLZ 
3/8 circle, round body needle	1/2 circle, spatulated
DR 3.75 	HLZ 8 
DR 5 	
DR 5 Black 	
DR 5.1 	DLZ 6.2 
DR 6 	DLZ 6.4 
DR 6.5 	
DLZ 	
	3/8 circle, spatulated
VLZ 	
	1/4 circle, spatulated
DSM 	
3/8 circle, reverse cutting needle, micropoint	VLZ 8 
DSM 6.5 	
DSM 8 	
GLZ 	
	Straight, spatulated
VSM 	
1/4 circle, reverse cutting needle, micropoint	GLZ 16 
VSM 8 	



Absorbable

Chirasorb rapid braided

Chirlac rapid braided

Monolac monofilament

Chirasorb braided

Chirasorb Plus braided

Chirlac braided

Polydox monofilament

Absorbable



Chirasorb rapid braided

chirasorb

Chirasorb
rapid

CHIRASORB rapid braided

CHIRASORB rapid braided is a short-term absorbable, coated, synthetic, multifilament suture made of 90% glycolide and 10% L-lactide. The substances contained in the coating and suture are nonantigenic and noncollagenous. Sterile Chirasorb rapid braided is available in violet and natural.

Absorption begins as a loss of tensile strength without appreciable loss of mass. The product elicits a minimal acute inflammatory reaction in tissues.

Progressive loss of tensile strength and absorption of Chirasorb rapid braided occurs by hydrolysis, when the polymer is degraded to glycolic and lactic acids, which are subsequently absorbed and metabolised by the body.



Indication: Skin closure (e.g. intracutaneous, subcutaneous), Paediatric surgery, Episiotomies, Circumcision, Closure of oral mucosa and Ophthalmic surgery for conjunctival sutures.

Contraindication: Chirasorb rapid braided should not be used in tissues subject to expansion, stretching or distension, or which might require long-term mechanical support.

Sizes: 6/0 to 2 USP

Structure: Multifilament

Absorption method: Hydrolysis

Strength Retention Profile: SHORT-TERM HEALING (12 days)

1 Day	100%
5 Days	50%
10-14 Days	0%

Mass Absorption profile: 42 days

CHIRASORB rapid braided violet ligatures

Pre-cut threads

EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	LR 0012
1.5	4/0	3 x 45 cm	LR 0013
2	3/0	3 x 45 cm	LR 0014
3	2/0	3 x 45 cm	LR 0015
3.5	0	3 x 45 cm	LR 0016
4	1	3 x 45 cm	LR 0017
5	2	3 x 45 cm	LR 0018
1	5/0	6 x 45 cm	LR 0042
1.5	4/0	6 x 45 cm	LR 0043
2	3/0	6 x 45 cm	LR 0044
3	2/0	6 x 45 cm	LR 0045
3.5	0	6 x 45 cm	LR 0046
4	1	6 x 45 cm	LR 0047
1	5/0	2 x 75 cm	LR 0022
1.5	4/0	2 x 75 cm	LR 0023
2	3/0	2 x 75 cm	LR 0024
3	2/0	2 x 75 cm	LR 0025

Pre-cut threads

EP	USP	Length	Cat. No
3.5	0	2 x 75 cm	LR 0026
4	1	2 x 75 cm	LR 0027
5	2	2 x 75 cm	LR 0028
2	3/0	1 x 150 cm	LR 0084
3	2/0	1 x 150 cm	LR 0085
3.5	0	1 x 150 cm	LR 0086

Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
1.5	4/0	1 x 300 cm	LR 0003
2	3/0	1 x 300 cm	LR 0004
3	2/0	1 x 300 cm	LR 0005
3.5	0	1 x 300 cm	LR 0006
4	1	1 x 300 cm	LR 0007
5	2	1 x 300 cm	LR 0008

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
	1	5/0	1 x 75 cm	Violet	LR 0254	
	1.5	4/0	1 x 75 cm	Violet	LR 0255	
	1.5	4/0	1 x 75 cm	Violet	LR 0256	
	2	3/0	1 x 75 cm	Violet	LR 0257	
	1.5	4/0	1 x 75 cm	Violet	LR 0261	
	2	3/0	1 x 75 cm	Violet	LR 0262	
	3	2/0	1 x 75 cm	Violet	LR 0263	
	2	3/0	1 x 75 cm	Violet	LR 0266	
	3	2/0	1 x 75 cm	Violet	LR 0267	
	3.5	0	1 x 75 cm	Violet	LR 0268	
	3.5	0	1 x 75 cm	Violet	LR 0269	
	2	3/0	1 x 75 cm	Violet	LR 0270	
	3	2/0	1 x 75 cm	Violet	LR 0271	
	3.5	0	1 x 90 cm	Violet	LR 0372	

CHIRASORB rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						

	3	2/0	1 x 45 cm	Violet	LR 0273	
	3.5	0	1 x 75 cm	Violet	LR 0275	
	4	1	1 x 75 cm	Violet	LR 0276	
	3	2/0	1 x 90 cm	Violet	LR 0375	
	3.5	0	1 x 90 cm	Violet	LR 0376	
	4	1	1 x 90 cm	Violet	LR 0295	
	4	1	1 x 90 cm	Violet	LR 0295	
	3.5	0	1 x 120 cm	Violet	LR 1281	

HRX: ½ circle, round body needle - extra strong

	4	1	1 x 75 cm	Violet	LR 0432	
	3	2/0	1 x 90 cm	Violet	LR 0380	
	3.5	0	1 x 90 cm	Violet	LR 0381	
	4	1	1 x 90 cm	Violet	LR 0382	
	3.5	0	1 x 90 cm	Violet	LR 0385	
	4	1	1 x 90 cm	Violet	LR 0386	
	5	2	1 x 90 cm	Violet	LR 0387	
	4	1	1 x 90 cm	Violet	LR 0390	
	4	1	1 x 90 cm	Violet	LR 0395	
	5	2	1 x 90 cm	Violet	LR 0396	

CHIRASORB rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRT: ½ circle, round body needle - tapercut						
	3.5	0	1 x 75 cm	Violet	LR 0593	
	3	2/0	1 x 90 cm	Violet	LR 0597	
	3.5	0	1 x 90 cm	Violet	LR 0598	
	4	1	1 x 90 cm	Violet	LR 0599	
	3	2/0	1 x 120 cm	Violet	LR 0697	
3.5	0	1 x 120 cm	Violet	LR 0698		
HRTX: ½ circle, round body needle - tapercut, extra strong						
	HRTX 50					
	4	1	1 x 120 cm	Violet	LR 0729	
HS: ½ circle, reverse cutting needle						
	HS 18					
	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	LR 0423 LR 0424	
	HS 21					
	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	LR 0300 LR 0301	
	HS 37					
	4	1	1 x 90 cm	Violet	LR 0316	
	HS 40					
	4 5	1 2	1 x 75 cm 1 x 75 cm	Violet Violet	LR 0457 LR 0458	
	HS 48					
	3.5	0	1 x 75 cm	Violet	LR 0466	
	HS 55					
	4 5	1 2	1 x 75 cm 1 x 75 cm	Violet Violet	LR 0476 LR 0477	

CHIRASORB rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
	DS 12					
	1 1.5	5/0 4/0	1 x 45 cm 1 x 45 cm	Violet Violet	LR 0202 LR 0203	
	DS 15					
	1.5 2	4/0 3/0	1 x 45 cm 1 x 45 cm	Violet Violet	LR 0206 LR 0207	
	DS 19					
	1 1.5	5/0 4/0	1 x 75 cm 1 x 75 cm	Violet Violet	LR 0210 LR 0211	
	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	LR 0212 LR 0213	
	1.5 2 3	4/0 3/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	LR 0223 LR 0224 LR 0225	
	DS 30					
	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	LR 0234 LR 0235	



CHIRASORB rapid braided natural ligatures







Pre-cut threads

EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	LQ 0012
1.5	4/0	3 x 45 cm	LQ 0013
2	3/0	3 x 45 cm	LQ 0014
3	2/0	3 x 45 cm	LQ 0015
3.5	0	3 x 45 cm	LQ 0016
1.5	4/0	6 x 45 cm	LQ 0043
2	3/0	6 x 45 cm	LQ 0044
3	2/0	6 x 45 cm	LQ 0045
3.5	0	6 x 45 cm	LQ 0046




Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
1.5	4/0	1 x 300 cm	LQ 0003
2	3/0	1 x 300 cm	LQ 0004
3	2/0	1 x 300 cm	LQ 0005
3.5	0	1 x 300 cm	LQ 0006











CHIRASORB rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
	1	5/0	1 x 45 cm	Natural	LQ 0252	
	1.5	4/0	1 x 45 cm	Natural	LQ 0253	
	1	5/0	1 x 75 cm	Natural	LQ 0255	
	1.5	4/0	1 x 75 cm	Natural	LQ 0256	
	2	3/0	1 x 75 cm	Natural	LQ 0257	
	1.5	4/0	1 x 75 cm	Natural	LQ 0261	
	2	3/0	1 x 75 cm	Natural	LQ 0262	
	3	2/0	1 x 75 cm	Natural	LQ 0263	
	3.5	0	1 x 75 cm	Natural	LQ 0264	
	2	3/0	1 x 75 cm	Natural	LQ 0266	
	3.5	0	1 x 75 cm	Natural	LQ 0276	
	3	2/0	1 x 90 cm	Natural	LQ 0375	
	3.5	0	1 x 90 cm	Natural	LQ 0376	
	3.5	0	1 x 90 cm	Natural	LQ 1392	

CHIRASORB rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						
	3	2/0	1 x 90 cm	Natural	LQ 0383	
	3.5	0	1 x 90 cm	Natural	LQ 0385	
HRT: ½ circle, round body needle - tapercut						
	4	1	1 x 90 cm	Natural	LQ 0599	
	3	2/0	1 x 120 cm	Natural	LQ 0697	
HRF: ½ circle, flattened body needle, taper point						
	1.5	4/0	1 x 75 cm	Natural	LQ 9256	
	1.5	4/0	1 x 75 cm	Natural	LQ 9261	
	3	2/0	1 x 75 cm	Natural	LQ 9269	
HS: ½ circle, reverse cutting needle						
	2	3/0	1 x 75 cm	Natural	LQ 0301	

CHIRASORB rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
DS 15 	1.5	4/0	1 x 75 cm	Natural	LQ 1216	
	2	3/0	1 x 75 cm	Natural	LQ 1217	
DS 19 	1.5	4/0	1 x 45 cm	Natural	LQ 0216	
	1	5/0	1 x 75 cm	Natural	LQ 0210	
	1.5	4/0	1 x 75 cm	Natural	LQ 1226	
DS 25 	2	3/0	1 x 75 cm	Natural	LQ 0224	
	3	2/0	1 x 75 cm	Natural	LQ 0225	
	2	3/0	1 x 75 cm	Natural	LQ 0234	
DS 30 	3	2/0	1 x 75 cm	Natural	LQ 0235	
	2	3/0	1 x 75 cm	Natural	LQ 0234	
	3	2/0	1 x 90 cm	Natural	LQ 0239	
DSC: 3/8 circle, conventional cutting needle						
DSC 22 	2	3/0	1 x 45 cm	Natural	LQ 8227	
DSM: 3/8 circle, reverse cutting needle - micropoint						
DSM 12 	1	5/0	1 x 45 cm	Natural	LQ 0202	Advanced cutting needle
	1.5	4/0	1 x 45 cm	Natural	LQ 1203	
DSM 15 	1	5/0	1 x 75 cm	Natural	LQ 0198	Advanced cutting needle
	1.5	4/0	1 x 45 cm	Natural	LQ 0206	
DSM 19 	1.5	4/0	1 x 45 cm	Natural	LQ 0207	Advanced cutting needle
	2	3/0	1 x 75 cm	Natural	LQ 0212	
DSM 25 	1.5	4/0	1 x 75 cm	Natural	LQ 0213	Advanced cutting needle
	2	3/0	1 x 75 cm	Natural	LQ 0221	
GS: Straight, reverse cutting needle						
GS 60 	2	3/0	1 x 75 cm	Natural	LQ 0236	
	3	2/0	1 x 75 cm	Natural	LQ 0237	

UK03
38

Absorbable - Chirasorb rapid braided

Chirlac rapid braided

Chirlac rapid

Chirlac

Chirlac rapid

CHIRLAC rapid braided

CHIRLAC rapid braided is a short-term absorbable, coated, synthetic, multifilament suture made of low molecular weight polyglycolic acid. The substances contained in the coating and suture are nonantigenic and noncollagenous. Chirlac rapid braided is available in violet and natural.

Progressive loss of tensile strength and absorption of Chirlac rapid braided occurs by hydrolysis, where the polymer degrades to glycolic acid, which is subsequently absorbed and metabolised by the body.

Absorption begins as a loss of tensile strength without appreciable loss of mass. The product elicits a minimal acute inflammatory reaction in tissues.



Indication: Gynaecology, Ophthalmic (e.g. conjunctiva), Odontology (e.g. oral mucosa), Paediatric and Skin Closure (e.g. intracutaneous, subcutaneous).

Contraindication: Chirlac rapid braided should not be used in tissues subject to expansion, stretching or distension, or which might require long-term mechanical support longer than seven days. The suture is not for use in ligation, cardiovascular or neurological tissues.

Sizes: 6/0 to 4 USP

Structure: Multifilament

Absorption method: Hydrolysis

Strength Retention Profile: SHORT-TERM HEALING (12 days)

1 Day	100%
5 Days	60%
10-14 Days	0%

Mass Absorption profile: 42 days

CHIRLAC rapid braided violet ligatures



Pre-cut threads

EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	PR 0012
1.5	4/0	3 x 45 cm	PR 0013
2	3/0	3 x 45 cm	PR 0014
3	2/0	3 x 45 cm	PR 0015
3.5	0	3 x 45 cm	PR 0016
4	1	3 x 45 cm	PR 0017
5	2	3 x 45 cm	PR 0018
1	5/0	6 x 45 cm	PR 0042
1.5	4/0	6 x 45 cm	PR 0043
2	3/0	6 x 45 cm	PR 0044
3	2/0	6 x 45 cm	PR 0045
3.5	0	6 x 45 cm	PR 0046
4	1	6 x 45 cm	PR 0047
5	2	6 x 45 cm	PR 0048
1	5/0	2 x 75 cm	PR 0022
1.5	4/0	2 x 75 cm	PR 0023
2	3/0	2 x 75 cm	PR 0024
3	2/0	2 x 75 cm	PR 0025
3.5	0	2 x 75 cm	PR 0026
4	1	2 x 75 cm	PR 0027
5	2	2 x 75 cm	PR 0028
3.5	0	2 x 90 cm	PR 0097
2	3/0	1 x 150 cm	PR 0084
3	2/0	1 x 150 cm	PR 0085
3.5	0	1 x 150 cm	PR 0086

Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
1.5	4/0	1 x 300 cm	PR 0003
2	3/0	1 x 300 cm	PR 0004
3	2/0	1 x 300 cm	PR 0005
3.5	0	1 x 300 cm	PR 0006
4	1	1 x 300 cm	PR 0007
5	2	1 x 300 cm	PR 0008

CHIRLAC rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 13	1 1.5	5/0 4/0	1 x 75 cm 1 x 75 cm	Violet Violet	PR 0254 PR 0255	
HR 17	1.5	4/0	1 x 75 cm	Violet	PR 0258	
HR 18	1 1.5 2	5/0 4/0 3/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	PR 0259 PR 0256 PR 0257	
HR 22	1.5 2 3	4/0 3/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	PR 0261 PR 0262 PR 0263	
HR 27	1.5 2 3 3.5	4/0 3/0 2/0 0	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet Violet	PR 0265 PR 0266 PR 0267 PR 0268	
HR 30	3.5	0	1 x 90 cm	Violet	PR 0168	
HR 35	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	PR 0270 PR 0271	
	3.5	0	1 x 90 cm	Violet	PR 0372	
HR 40	3 3.5 4	2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	PR 0275 PR 0276 PR 0277	
	3 3.5 4	2/0 0 1	1 x 90 cm 1 x 90 cm 1 x 90 cm	Violet Violet Violet	PR 0375 PR 0376 PR 0377	
	3	2/0	1 x 120 cm	Violet	PR 1375	
HR 48	3.5	0	1 x 90 cm	Violet	PR 0294	
HR 50	3.5	0	1 x 120 cm	Violet	PR 1293	
HR 60	3.5	0	1 x 120 cm	Violet	PR 1281	








CHIRLAC rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						
HRX 27	4	1	1 x 75 cm	Violet	PR 0432	
HRX 35	3 3.5 4	2/0 0 1	1 x 90 cm 1 x 90 cm 1 x 90 cm	Violet Violet Violet	PR 0380 PR 0381 PR 0382	
HRX 40	3.5 4 5	0 1 2	1 x 90 cm 1 x 90 cm 1 x 90 cm	Violet Violet Violet	PR 0385 PR 0386 PR 0387	
HRX 45	4	1	1 x 120 cm	Violet	PR 0384	
HRX 50	4 5	1 2	1 x 90 cm 1 x 90 cm	Violet Violet	PR 0395 PR 0396	
HRT: ½ circle, round body needle - tapercut						
HRT 25	3	2/0	1 x 75 cm	Violet	PR 0584	
HRT 37	3.5	0	1 x 75 cm	Violet	PR 0593	
HRT 37	3 3.5 4	2/0 0 1	1 x 90 cm 1 x 90 cm 1 x 90 cm	Violet Violet Violet	PR 0597 PR 0598 PR 0599	
HRT 37	3 3.5	2/0 0	1 x 120 cm 1 x 120 cm	Violet Violet	PR 0697 PR 0698	

CHIRLAC rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRTX: ½ circle, round body needle - tapercut, extra strong						
HRTX 50	4	1	1 x 120 cm	Violet	PR 0729	
HS: ½ circle, reverse cutting needle						
HS 18	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	PR 0423 PR 0424	
HS 21	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	PR 0300 PR 0301	
HS 37	4	1	1 x 90 cm	Violet	PR 0316	
HS 40	4 5	1 2	1 x 75 cm 1 x 75 cm	Violet Violet	PR 0457 PR 0458	
HS 48	3.5	0	1 x 75 cm	Violet	PR 0466	
HS 55	4 5	1 2	1 x 75 cm 1 x 75 cm	Violet Violet	PR 0476 PR 0477	

CHIRLAC rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
DS 12 	1	5/0	1 x 45 cm	Violet	PR 0202	
	1.5	4/0	1 x 45 cm	Violet	PR 0203	
DS 15 	1.5	4/0	1 x 45 cm	Violet	PR 0206	
	2	3/0	1 x 45 cm	Violet	PR 0207	
DS 19 	1	5/0	1 x 75 cm	Violet	PR 0228	
	1.5	4/0	1 x 75 cm	Violet	PR 0210	
DS 25 	2	3/0	1 x 75 cm	Violet	PR 0211	
	3	2/0	1 x 75 cm	Violet	PR 0212	
	3	2/0	1 x 75 cm	Violet	PR 0213	
DS 30 	1.5	4/0	1 x 75 cm	Violet	PR 0223	
	2	3/0	1 x 75 cm	Violet	PR 0224	
	3	2/0	1 x 75 cm	Violet	PR 0225	
DSM 19 	2	3/0	1 x 75 cm	Violet	PR 0234	
	3	2/0	1 x 75 cm	Violet	PR 0235	
DSM: 3/8 circle, reverse cutting needle - micropoint						
DSM 19 	1	5/0	1 x 75 cm	Violet	PR 0185	Advanced cutting needle

CHIRLAC rapid braided natural ligatures

Pre-cut threads








EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	PQ 0012
1.5	4/0	3 x 45 cm	PQ 0013
2	3/0	3 x 45 cm	PQ 0014
3	2/0	3 x 45 cm	PQ 0015
3.5	0	3 x 45 cm	PQ 0016
1.5	4/0	6 x 45 cm	PQ 0043
2	3/0	6 x 45 cm	PQ 0044
3	2/0	6 x 45 cm	PQ 0045
3.5	0	6 x 45 cm	PQ 0046



Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
1.5	4/0	1 x 300 cm	PQ 0003
2	3/0	1 x 300 cm	PQ 0004
3	2/0	1 x 300 cm	PQ 0005
3.5	0	1 x 300 cm	PQ 0006
4	1	1 x 300 cm	PQ 0007






CHIRLAC rapid

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: 1/2 circle, round body needle						
HR 13 	1	5/0	1 x 45 cm	Natural	PQ 0252	
	1.5	4/0	1 x 45 cm	Natural	PQ 0253	
HR 18 	1	5/0	1 x 75 cm	Natural	PQ 0255	
	1.5	4/0	1 x 75 cm	Natural	PQ 0256	
	2	3/0	1 x 75 cm	Natural	PQ 0257	
HR 22 	1.5	4/0	1 x 75 cm	Natural	PQ 0261	
	2	3/0	1 x 75 cm	Natural	PQ 0262	
	3	2/0	1 x 75 cm	Natural	PQ 0263	
	3.5	0	1 x 75 cm	Natural	PQ 0264	
HR 27 	2	3/0	1 x 75 cm	Natural	PQ 0266	
HR 40 	3.5	0	1 x 75 cm	Natural	PQ 0276	
HR 50 	3	2/0	1 x 90 cm	Natural	PQ 0375	
	3.5	0	1 x 90 cm	Natural	PQ 0376	
HR 50 	3.5	0	1 x 90 cm	Natural	PQ 1392	

CHIRLAC rapid braided






Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						
HRX 36 	3	2/0	1 x 90 cm	Natural	PQ 0383	
HRX 40 	3.5	0	1 x 90 cm	Natural	PQ 0385	
HRT: ½ circle, round body needle - tapercut						
HRT 37 	3	2/0	1 x 90 cm	Natural	PQ 0597	
	3 3.5	2/0 0	1 x 120 cm 1 x 120 cm	Natural Natural	PQ 0697 PQ 0698	
HRT 38 	3.5	0	1 x 75 cm	Natural	PQ 0620	
HRT 48 	3.5	0	1 x 75 cm	Natural	PQ 0619	
HRF: ½ circle, flattened body needle, taper point						
HRF 17 	1.5	4/0	1 x 75 cm	Natural	PQ 9256	
HRF 31 	3	2/0	1 x 75 cm	Natural	PQ 9269	
HS: ½ circle, reverse cutting needle						
HS 21 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Natural Natural	PQ 0300 PQ 0301	

CHIRLAC rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
DS 12 	1	5/0	1 x 45 cm	Natural	PQ 0203	
DS 15 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Natural Natural	PQ 1216 PQ 1217	
DS 19 	1 1.5 2	5/0 4/0 3/0	1 x 45 cm 1 x 45 cm 1 x 45 cm	Natural Natural Natural	PQ 0215 PQ 0216 PQ 0217	
	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Natural Natural	PQ 1226 PQ 1227	
DS 25 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Natural Natural	PQ 0224 PQ 0225	
DS 30 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Natural Natural	PQ 0234 PQ 0235	
	3	2/0	1 x 90 cm	Natural	PQ 0239	
DSC: 3/8 circle, conventional cutting needle						
DSC 22 	2	3/0	1 x 45 cm	Natural	PQ 8227	



CHIRLAC rapid braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DSM: 3/8 circle, reverse cutting needle - micropoint						
DSM 12	1 1.5	5/0 4/0	1 x 45 cm 1 x 45 cm	Natural Natural	PQ 0202 PQ 1203	Advanced cutting needle
	1	5/0	1 x 75 cm	Natural	PQ 0198	
DSM 15	1 1.5	5/0 4/0	1 x 45 cm 1 x 45 cm	Natural Natural	PQ 0206 PQ 0207	Advanced cutting needle
						
DSM 19	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Natural Natural	PQ 0212 PQ 0213	Advanced cutting needle
						
DSM 25	2	3/0	1 x 75 cm	Natural	PQ 0221	Advanced cutting needle
						
GS: Straight, reverse cutting needle						
GS 60	3	2/0	1 x 75 cm	Natural	PQ 0237	
						

UK03
50



Absorbable - Chirlac rapid braided

W Monolac

Monolac monofilament

Monolac

Monolac

Monolac

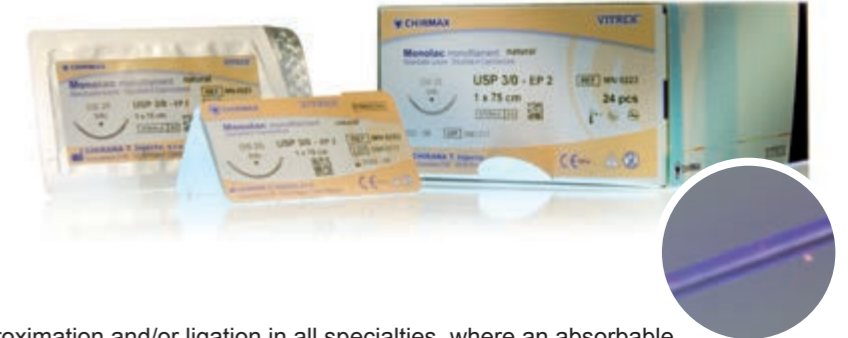
W Monolac

MONOLAC monofilament

MONOLAC monofilament is a mid-term absorbable, synthetic suture made of glycolide and ϵ -Caprolactone, available in natural colour for the closure of superficial wounds and in violet for all other indications, when a mid-term monofilament is needed.

During absorption the material elicited only a very slight inflammation.

The material is degraded into adipic acid, which is completely metabolised in the body. The process begins with a loss of tensile strength, followed by a loss of mass at a later stage.



Indication: General soft tissue approximation and/or ligation in all specialties, where an absorbable material is indicated.

Contraindication: Monolac monofilament should not be used in tissues subject to expansion, stretching or distension, or which might require long-term mechanical support.

Sizes: 6/0 to 2 USP

Structure: Monofilament

Absorption method: Hydrolysis

Strength Retention Profile:

MID-TERM HEALING (30 days)	
1 Day	100%
7 Days	60% violet/50% natural
14 Days	30% violet/20% natural

Mass Absorption profile: 90 - 120 days












MONOLAC monofilament violet ligatures

Pre-cut threads




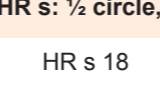
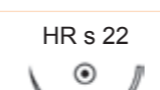




EP	USP	Length	Cat. No
3	2/0	1 x 150 cm	MV 0085
3.5	0	1 x 150 cm	MV 0086



MONOLAC monofilament









Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 13 	0.7	6/0	1 x 75 cm	Violet	MV 0251	
	1	5/0	1 x 75 cm	Violet	MV 0252	
	1.5	4/0	1 x 75 cm	Violet	MV 0253	
HR 17 	1.5	4/0	1 x 75 cm	Violet	MV 0254	
HR 18 	1	5/0	1 x 75 cm	Violet	MV 0256	
	1.5	4/0	1 x 75 cm	Violet	MV 0257	
	2	3/0	1 x 75 cm	Violet	MV 0258	
HR 22 	1.5	4/0	1 x 75 cm	Violet	MV 0261	
	2	3/0	1 x 75 cm	Violet	MV 0262	
	3	2/0	1 x 75 cm	Violet	MV 0263	
2 x HR 22 	3	2/0	1 x 45 cm	Violet	MV 0963	
	1.5	4/0	1 x 75 cm	Violet	MV 0965	
	2	3/0	1 x 90 cm	Violet	MV 0964	
HR 26 	2	3/0	1 x 75 cm	Violet	MV 0166	
	3	2/0	1 x 75 cm	Violet	MV 0167	
HR 27 	1	5/0	1 x 75 cm	Violet	MV 0264	
	1.5	4/0	1 x 75 cm	Violet	MV 0265	
	2	3/0	1 x 75 cm	Violet	MV 0266	
	3	2/0	1 x 75 cm	Violet	MV 0267	
HR 27 	2	3/0	1 x 90 cm	Violet	MV 0366	
	3	2/0	1 x 90 cm	Violet	MV 0367	
2 x HR 27 	2	3/0	1 x 75 cm	Violet	MV 2266	
HR 27 	1.5	4/0	1 x 90 cm	Violet	MV 2275	
	2	3/0	1 x 90 cm	Violet	MV 2276	
HR 30 	2	3/0	1 x 75 cm	Violet	MV 0269	
	3	2/0	1 x 75 cm	Violet	MV 0273	
	3.5	0	1 x 75 cm	Violet	MV 0274	

MONOLAC monofilament












Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
2 x HR 30 	3	2/0	1 x 90 cm	Violet	MV 1373	
HR 35 	3	2/0	1 x 75 cm	Violet	MV 0271	
	3.5	0	1 x 75 cm	Violet	MV 0272	
HR 35 	2	3/0	1 x 90 cm	Violet	MV 0373	
	4	1	1 x 90 cm	Violet	MV 0376	
HR 40 	3.5	0	1 x 75 cm	Violet	MV 0276	
	4	1	1 x 75 cm	Violet	MV 0277	
HR 40 	2	3/0	1 x 90 cm	Violet	MV 0377	
	4	1	1 x 90 cm	Violet	MV 0397	
	5	2	1 x 90 cm	Violet	MV 0398	
HR s: ½ circle, round body needle - slim						
HR s 18 	1.5	4/0	1 x 75 cm	Violet	MV 1256	Slim needle
HR s 22 	1.5	4/0	1 x 75 cm	Violet	MV 1261	Slim needle
	2	3/0	1 x 75 cm	Violet	MV 1262	Slim needle
HR s 22 Black 	2	3/0	1 x 75 cm	Violet	MV 2262	Slim, black needle
HR s 27 	3	2/0	1 x 75 cm	Violet	MV 1267	Slim needle












MONOLAC monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						
HRX 35	3	2/0	1 x 75 cm	Violet	MV 0280	
	3 3.5	2/0 0	1 x 90 cm 1 x 90 cm	Violet Violet	MV 0380 MV 0381	
HRX 40	4	1	1 x 75 cm	Violet	MV 0286	
	4	1	1 x 90 cm	Violet	MV 0386	
	4	1	1 x 150 cm	Violet	MV 4530	Loop
HRX 45	4	1	1 x 90 cm	Violet	MV 0390	
						
HRX 50	3.5 4	0 1	1 x 90 cm 1 x 90 cm	Violet Violet	MV 0394 MV 0395	
	4	1	1 x 150 cm	Violet	MV 4540	Loop
HRT: ½ circle, round body needle - tapercut						
HRT 17	1.5	4/0	1 x 75 cm	Violet	MV 0561	
						
HRT 25	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	MV 0581 MV 0582	
						
HRT 37	4	1	1 x 90 cm	Violet	MV 1594	
						
HRN: ½ circle, round body needle - blunt point						
HRN 50	4	1	1 x 90 cm	Violet	MV 0686	
						







MONOLAC monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRF: ½ circle, flattened body needle, taper point						
HRF 17	1.5	4/0	1 x 75 cm	Violet	MV 9257	
						
HRF 22	2	3/0	1 x 75 cm	Violet	MV 9262	
						
DR: 3/8 circle, round body needle						
DR 8	0.7	6/0	1 x 45 cm	Violet	MV 0703	
						
DR 20	2	3/0	1 x 75 cm	Violet	MV 0726	
						
DRT: 3/8 circle, round body needle - tapercut						
DRT 13	0.7	6/0	1 x 45 cm	Violet	MV 0544	
						
FR: 5/8 circle, round body needle						
FR 27	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	MV 0609 MV 0610	
						
GR: Straight, round body needle						
GR 20	1 1.5 2	5/0 4/0 3/0	1 x 45 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	MV 0405 MV 0406 MV 0407	
						
HS: ½ circle, reverse cutting needle						
HS 12	0.7 1	6/0 5/0	1 x 45 cm 1 x 45 cm	Violet Violet	MV 0301 MV 0302	
						
HS 18	1 1.5	5/0 4/0	1 x 75 cm 1 x 75 cm	Violet Violet	MV 0312 MV 0313	
						
HS 25	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	MV 0323 MV 0324	
						
2 x HS 25	2	3/0	1 x 75 cm	Violet	MV 1619	
						

MONOLAC monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
DS 12 	0.7	6/0	1 x 45 cm	Violet	MV 0201	
	1	5/0	1 x 45 cm	Violet	MV 0202	
DS 13 	1	5/0	1 x 75 cm	Violet	MV 0203	
	1	5/0	1 x 45 cm	Violet	MV 0103	
DS 15 	1	5/0	1 x 45 cm	Violet	MV 0205	
	1.5	4/0	1 x 45 cm	Violet	MV 0206	
DS 16 	1.5	4/0	1 x 45 cm	Violet	MV 1206	
	1	5/0	1 x 45 cm	Violet	MV 0214	
DS 19 	1.5	4/0	1 x 45 cm	Violet	MV 0215	
	2	3/0	1 x 45 cm	Violet	MV 0216	
	1	5/0	1 x 75 cm	Violet	MV 0210	
DS 25 	1.5	4/0	1 x 75 cm	Violet	MV 0211	
	2	3/0	1 x 75 cm	Violet	MV 0212	
	2	3/0	1 x 45 cm	Violet	MV 0122	
DS 30 	2	3/0	1 x 45 cm	Violet	MV 0122	
	2	3/0	1 x 75 cm	Violet	MV 0223	
	3	2/0	1 x 75 cm	Violet	MV 0224	
DS 35 	2	3/0	1 x 75 cm	Violet	MV 0227	
	3	2/0	1 x 75 cm	Violet	MV 0228	
	3.5	0	1 x 75 cm	Violet	MV 0229	
DS 35 	4	1	1 x 75 cm	Violet	MV 1240	

MONOLAC monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DSM: 3/8 circle, reverse cutting needle - micropoint						
DSM 12 	0.7	6/0	1 x 45 cm	Violet	MV 0230	Advanced cutting needle
	1	5/0	1 x 45 cm	Violet	MV 0231	
DSM 15 	1	5/0	1 x 45 cm	Violet	MV 0234	Advanced cutting needle
	1.5	4/0	1 x 45 cm	Violet	MV 0235	
DSM 19 	1.5	4/0	1 x 45 cm	Violet	MV 0237	Advanced cutting needle
	2	3/0	1 x 45 cm	Violet	MV 0238	
DSM 25 	2	3/0	1 x 75 cm	Violet	MV 0242	Advanced cutting needle
	1.5	4/0	1 x 90 cm	Violet	MV 0240	
GS: Straight, reverse cutting needle						
GS 50 	2	3/0	1 x 75 cm	Violet	MV 0456	
	2	3/0	1 x 75 cm	Violet	MV 0466	
GS 60 	2	3/0	1 x 75 cm	Violet	MV 0466	
	3	2/0	1 x 75 cm	Violet	MV 0467	



MONOLAC monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 13	1	5/0	1 x 75 cm	Natural	MN 0252	
HR 18	1 1.5	5/0 4/0	1 x 75 cm 1 x 75 cm	Natural Natural	MN 0256 MN 0257	
HR 22	2	3/0	1 x 75 cm	Natural	MN 0262	
HR 35	3.5	0	1 x 75 cm	Natural	MN 0275	
FR: 5/8 circle, round body needle						
FR 27	3	2/0	1 x 75 cm	Natural	MN 0610	
DS: 3/8 circle, reverse cutting needle						
DS 12	0.7 1	6/0 5/0	1 x 45 cm 1 x 45 cm	Natural Natural	MN 0201 MN 0202	
DS 15	0.7 1 1.5	6/0 5/0 4/0	1 x 45 cm 1 x 45 cm 1 x 45 cm	Natural Natural Natural	MN 0204 MN 0205 MN 0206	
DS 19	1 1.5 2	5/0 4/0 3/0	1 x 75 cm 1 x 75 cm	Natural Natural	MN 0208 MN 0209	
DS 19	0.7 1 1.5 2	6/0 5/0 4/0 3/0	1 x 45 cm 1 x 45 cm 1 x 45 cm 1 x 45 cm	Natural Natural Natural Natural	MN 0213 MN 0214 MN 0215 MN 0216	
DS 25	1.5 2 3	4/0 3/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Natural Natural Natural	MN 0211 MN 0212	
DS 25	1.5 2 3	4/0 3/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Natural Natural Natural	MN 0222 MN 0223 MN 0224	
DS 30	2	3/0	1 x 75 cm	Natural	MN 0227	

MONOLAC monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DSM: 3/8 circle, reverse cutting needle - micropoint						
DSM 12	0.7 1 1.5	6/0 5/0 4/0	1 x 45 cm 1 x 45 cm 1 x 45 cm	Natural Natural Natural	MN 0230 MN 0231 MN 0232	Advanced cutting needle
DSM 15	1 1.5	5/0 4/0	1 x 45 cm 1 x 45 cm	Natural Natural	MN 0234 MN 0235	Advanced cutting needle
DSM 19	1.5 2	4/0 3/0	1 x 45 cm 1 x 45 cm	Natural Natural	MN 0237 MN 0238	Advanced cutting needle
DSM 19	1.5	4/0	1 x 75 cm	Natural	MN 0240	
DSM 25	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Natural Natural	MN 0248 MN 0249	Advanced cutting needle
GS: Straight, reverse cutting needle						
GS 50	2	3/0	1 x 75 cm	Natural	MN 0456	
GS 60	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Natural Natural	MN 0465 MN 0466	

chirraas

**Chirasorb
braided**

Chirasorb

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Chirasorb

CHIRASORB braided

CHIRASORB braided is a mid-term absorbable, coated, synthetic, multifilament suture made of 90% glycolide and 10% L-lactide. The substances contained in the coating and suture are nonantigenic and noncollagenous.

Sterile Chirasorb braided is available in violet or natural. The product elicits a minimal acute inflammatory reaction in tissues.

Progressive loss of tensile strength and absorption of Chirasorb braided occurs by hydrolysis, when the polymer is degraded to glycolic and lactic acids, which are subsequently absorbed and metabolised by the body.



Indication: General soft tissue approximation and/or ligation in all specialties, including use in Ophthalmic surgery.

Contraindication: Chirasorb braided should not be used in tissues subject to expansion, stretching or distension, or which might require long-term mechanical support.

Sizes: 10/0 to 6 USP

Structure: Multifilament

Absorption method: Hydrolysis

Strength Retention Profile: MID-TERM HEALING (35 days)

1 Day	100%
14 Days	75%
21 Days	50%

Mass Absorption profile: 56 - 70 days

CHIRASORB braided violet ligatures



Pre-cut threads

EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	LV 0012
1.5	4/0	3 x 45 cm	LV 0013
2	3/0	3 x 45 cm	LV 0014
3	2/0	3 x 45 cm	LV 0015
3.5	0	3 x 45 cm	LV 0016
4	1	3 x 45 cm	LV 0017
5	2	3 x 45 cm	LV 0018
1	5/0	6 x 45 cm	LV 0042
1.5	4/0	6 x 45 cm	LV 0043
2	3/0	6 x 45 cm	LV 0044
3	2/0	6 x 45 cm	LV 0045
3.5	0	6 x 45 cm	LV 0046
4	1	6 x 45 cm	LV 0047
5	2	6 x 45 cm	LV 0048
2	3/0	10 x 45 cm	LV 0064
3	2/0	10 x 45 cm	LV 0065
3.5	0	10 x 45 cm	LV 0066
4	1	10 x 45 cm	LV 0067
5	2	10 x 45 cm	LV 0068
3	2/0	12 x 45 cm	LV 4565
5	2	12 x 45 cm	LV 4568
1	5/0	2 x 75 cm	LV 0022
1.5	4/0	2 x 75 cm	LV 0023
2	3/0	2 x 75 cm	LV 0024
3	2/0	2 x 75 cm	LV 0025
3.5	0	2 x 75 cm	LV 0026
4	1	2 x 75 cm	LV 0027
5	2	2 x 75 cm	LV 0028
1.5	4/0	5 x 75 cm	LV 0053
2	3/0	5 x 75 cm	LV 0054
3	2/0	5 x 75 cm	LV 0055

Pre-cut threads

EP	USP	Length	Cat. No
3.5	0	5 x 75 cm	LV 0056
4	1	5 x 75 cm	LV 0057
5	2	5 x 75 cm	LV 0058
2	3/0	6 x 75 cm	LV 0059
3	2/0	6 x 75 cm	LV 0051
3.5	0	6 x 75 cm	LV 0060
4	1	6 x 75 cm	LV 4557
1.5	4/0	1 x 150 cm	LV 0083
2	3/0	1 x 150 cm	LV 0084
3	2/0	1 x 150 cm	LV 0085
3.5	0	1 x 150 cm	LV 0089
4	1	1 x 150 cm	LV 0087
5	2	1 x 150 cm	LV 0090

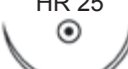



Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
2	3/0	1 x 250 cm	LV 1004
3	2/0	1 x 250 cm	LV 1005
3.5	0	1 x 250 cm	LV 1006
4	1	1 x 250 cm	LV 1007
5	2	1 x 250 cm	LV 1008
1.5	4/0	1 x 300 cm	LV 0003
2	3/0	1 x 300 cm	LV 0004
3	2/0	1 x 300 cm	LV 0005
3.5	0	1 x 300 cm	LV 0006
4	1	1 x 300 cm	LV 0007
5	2	1 x 300 cm	LV 0008
6	3 + 4	1 x 300 cm	LV 0009


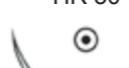
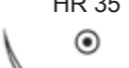

CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 10 	0.7	6/0	1 x 45 cm	Violet	LV 0246	
	1	5/0	1 x 75 cm	Violet	LV 0248	
HR 13 	0.7	6/0	1 x 45 cm	Violet	LV 0251	
	1	5/0	1 x 45 cm	Violet	LV 0252	
	1.5	4/0	1 x 45 cm	Violet	LV 0253	
	2	3/0	1 x 45 cm	Violet	LV 0250	
HR 16 	0.7	6/0	1 x 75 cm	Violet	LV 1251	
	1	5/0	1 x 75 cm	Violet	LV 0254	
	1.5	4/0	1 x 75 cm	Violet	LV 0255	
HR 18 	1.5	4/0	1 x 45 cm	Violet	LV 0258	
	2	3/0	1 x 45 cm	Violet	LV 0259	
HR 20 	0.7	6/0	1 x 75 cm	Violet	LV 0241	
	1	5/0	1 x 75 cm	Violet	LV 0242	
	1.5	4/0	1 x 75 cm	Violet	LV 0256	
	2	3/0	1 x 75 cm	Violet	LV 0257	
	3	2/0	1 x 75 cm	Violet	LV 0260	
HR 22 	1.5	4/0	1 x 75 cm	Violet	LV 0261	
	2	3/0	1 x 75 cm	Violet	LV 0262	
	3	2/0	1 x 75 cm	Violet	LV 0263	
	2	3/0	4 x 75 cm	Violet	LV 0322	
	3	2/0	4 x 75 cm	Violet	LV 0323	
	1.5	4/0	6 x 45 cm	Violet	LV 0526	
	2	3/0	6 x 45 cm	Violet	LV 0527	
	2	3/0	1 x 120 cm	Violet	LV 0363	





CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 22 A 	2	3/0	6 x 45 cm	Violet	LV 0327	Take-off needle
HR 25 	5	2	1 x 75 cm	Violet	LV 0297	
HR 26 	3	2/0	1 x 45 cm	Violet	LV 0136	
	2	3/0	1 x 75 cm	Violet	LV 0535	
	3	2/0	1 x 75 cm	Violet	LV 0536	
	3.5	0	1 x 75 cm	Violet	LV 0540	
HR 26 A 	2	3/0	6 x 45 cm	Violet	LV 0347	Take-off needle
	1.5	4/0	1 x 45 cm	Violet	LV 0245	
HR 27 	2	3/0	6 x 45 cm	Violet	LV 0537	
	3	2/0	6 x 45 cm	Violet	LV 0538	
	1.5	4/0	1 x 75 cm	Violet	LV 0265	
	2	3/0	1 x 75 cm	Violet	LV 0266	
	3	2/0	1 x 75 cm	Violet	LV 0267	
HR 27 A 	3.5	0	1 x 75 cm	Violet	LV 0268	
	4	1	1 x 75 cm	Violet	LV 1269	
	2	3/0	1 x 90 cm	Violet	LV 0366	
	3	2/0	1 x 90 cm	Violet	LV 0367	
HR 27 A	3	2/0	6 x 45 cm	Violet	LV 0338	Take-off needle
	2	3/0	4 x 75 cm	Violet	LV 0639	Take-off needle







CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
2 x HR 27 	2	3/0	1 x 90 cm	Violet	LV 2466	
	3	2/0	1 x 90 cm	Violet	LV 2467	
	2	3/0	1 x 45 cm	Violet	LV 0169	
HR 30 	2	3/0	1 x 75 cm	Violet	LV 0269	
	3	2/0	1 x 75 cm	Violet	LV 0273	
	3.5	0	1 x 75 cm	Violet	LV 0274	
	4	1	1 x 75 cm	Violet	LV 1275	
	2	3/0	1 x 90 cm	Violet	LV 0369	
	3	2/0	1 x 90 cm	Violet	LV 0364	
	3.5	0	1 x 90 cm	Violet	LV 0371	
	4	1	1 x 90 cm	Violet	LV 0372	
HR 35 	2	3/0	1 x 75 cm	Violet	LV 0270	
	3	2/0	1 x 75 cm	Violet	LV 0271	
	3.5	0	1 x 75 cm	Violet	LV 0272	
	4	1	1 x 75 cm	Violet	LV 1273	
	5	2	1 x 75 cm	Violet	LV 1272	
	2	3/0	1 x 90 cm	Violet	LV 0373	
	3	2/0	1 x 90 cm	Violet	LV 0374	
	3.5	0	1 x 90 cm	Violet	LV 0375	
	4	1	1 x 90 cm	Violet	LV 0376	
HR 37 	3.5	0	1 x 75 cm	Violet	LV 0579	
	4	1	1 x 75 cm	Violet	LV 0379	
	3.5	0	1 x 90 cm	Violet	LV 0378	

CHIRASORB braided



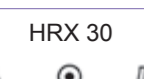
Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
	4	1	1 x 45 cm	Violet	LV 0177	
	5	2	5 x 45 cm	Violet	LV 2250	
 HR 40	3	2/0	1 x 75 cm	Violet	LV 0275	
	3.5	0	1 x 75 cm	Violet	LV 0276	
	4	1	1 x 75 cm	Violet	LV 0277	
	3	2/0	1 x 90 cm	Violet	LV 1475	
	3.5	0	1 x 90 cm	Violet	LV 1476	
	4	1	1 x 90 cm	Violet	LV 1477	
	5	2	1 x 90 cm	Violet	LV 1478	
	3	2/0	1 x 120 cm	Violet	LV 1479	
 HR 43	5	2	1 x 75 cm	Violet	LV 0479	
 HR 48	4	1	1 x 75 cm	Violet	LV 1396	
	5	2	1 x 75 cm	Violet	LV 1400	
	3.5	0	1 x 75 cm	Violet	LV 1402	
	3.5	0	1 x 90 cm	Violet	LV 1403	
	4	1	1 x 90 cm	Violet	LV 1401	
	5	2	1 x 90 cm	Violet	LV 1399	
 HR 48 A	4	1	4 x 45 cm	Violet	LV 0793	Take-off needle

CHIRASORB braided





Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
 HR 50	5	2	5 x 45 cm	Violet	LV 1201	
	3.5	0	1 x 90 cm	Violet	LV 1392	
 HR 60	3	2/0	1 x 75 cm	Violet	LV 0278	
	3.5	0	1 x 75 cm	Violet	LV 0279	
 HR 65	3	2/0	1 x 75 cm	Violet	LV 1283	
	4	1	1 x 75 cm	Violet	LV 1285	
	5	2	1 x 75 cm	Violet	LV 1286	
	5	2	1 x 150 cm	Violet	LV 1287	
 HR 75	5	2	1 x 75 cm	Violet	LV 0496	
HR s: ½ circle, round body needle - slim						
 HR s 18	1.5	4/0	1 x 75 cm	Violet	LV 1256	Slim needle
 HR s 27 Black	3	2/0	1 x 75 cm	Violet	LV 2267	Slim, black needle



CHIRASORB braided










Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						
HRX 22 	2	3/0	1 x 75 cm	Violet	LV 0420	
HRX 26 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	LV 0419 LV 0417	
HRX 27 	2 3 4	3/0 2/0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	LV 0429 LV 0430 LV 0432	
HRX 30 	2	3/0	1 x 75 cm	Violet	LV 0426	
HRX 35 	3 4	2/0 1	1 x 75 cm 1 x 75 cm	Violet Violet	LV 0280 LV 0282	
	3.5	0	1 x 90 cm	Violet	LV 0381	

CHIRASORB braided









Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						
HRX 36 	3.5 4	0 1	1 x 75 cm 1 x 75 cm	Violet Violet	LV 1281 LV 1282	
	3	2/0	1 x 90 cm	Violet	LV 1380	
	3.5 4	0 1	1 x 75 cm 1 x 75 cm	Violet Violet	LV 0285 LV 0286	
HRX 40 	3.5 4 5	0 1 2	1 x 90 cm 1 x 90 cm 1 x 90 cm	Violet Violet Violet	LV 0385 LV 0386 LV 0387	
	3.5 4	0 1	1 x 150 cm 1 x 150 cm	Violet Violet	LV 4035 LV 4040	Loop Loop
HRX 45 	4 5	1 2	1 x 90 cm 1 x 90 cm	Violet Violet	LV 0390 LV 0391	
	3.5 4 5	0 1 2	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	LV 0294 LV 0295 LV 0296	
HRX 50 	4 5	1 2	1 x 90 cm 1 x 90 cm	Violet Violet	LV 0395 LV 0396	
	5	2	1 x 110 cm	Violet	LV 0393	



CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRT: ½ circle, round body needle - tapercut						
HRT 17 	1.5	4/0	1 x 45 cm	Violet	LV 0566	
	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	LV 0561 LV 0562	
HRT 20 	1	5/0	1 x 45 cm	Violet	LV 0568	
HRT 22 	2	3/0	1 x 75 cm	Violet	LV 0572	
HRT 25 	2	3/0	1 x 75 cm	Violet	LV 0581	
HRT 31 	3	2/0	1 x 75 cm	Violet	LV 0606	
HRT 37 	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Violet Violet	LV 0592 LV 0593	
	3 3.5 4	2/0 0 1	1 x 90 cm 1 x 90 cm 1 x 90 cm	Violet Violet Violet	LV 0597 LV 0598 LV 0599	
HRT 40 	3.5	0	1 x 75 cm	Violet	LV 0653	
HRT 45 	5	2	1 x 75 cm	Violet	LV 0665	
HRN: ½ circle, round body needle - blunt point						
HRN 50 	4	1	1 x 90 cm	Violet	LV 0686	
	5	2	1 x 90 cm	Violet	LV 0675	

CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRF: ½ circle, flattened body needle, taper point						
HRF 17 	1 1.5	5/0 4/0	1 x 75 cm 1 x 75 cm	Violet Violet	LV 9242 LV 9256	
HRF 20 	1.5	4/0	1 x 75 cm	Violet	LV 9261	
HRF 26 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	LV 9266 LV 9267	
HRF 31 	3	2/0	1 x 75 cm	Violet	LV 9273	
DR: 3/8 circle, round body needle						
DR 15 	1.5	4/0	1 x 75 cm	Violet	LV 0724	
DR 21 	3	2/0	1 x 75 cm	Violet	LV 0744	
DR 30 	2	3/0	1 x 75 cm	Violet	LV 0746	
DRN: 3/8 circle, round body needle - blunt point						
DRN 60 	4	1	1 x 100 cm	Violet	LV 0699	














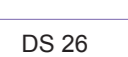

CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
FR: 5/8 circle, round body needle						
FR 27	2 3 3.5	3/0 2/0 0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	LV 0609 LV 0610 LV 0611	
GR: Straight, round body needle						
GR 20	1.5	4/0	1 x 75 cm	Violet	LV 0402	
	3	2/0	1 x 90 cm	Violet	LV 0399	
KR: Ski, round body needle						
KR 25	3	2/0	1 x 20 cm	Violet	LV 2736	
KR 27	2	3/0	1 x 40 cm	Violet	LV 4630	Loop
	4	1	1 x 120 cm	Violet	LV 2390	
JRT: Hook shaped, round body needle - tapercut						
JRT 30	4	1	1 x 75 cm	Violet	LV 0694	
J-RX: Hook shaped, round body needle						
J-RX 30	3	2/0	1 x 75 cm	Violet	LV 1387	

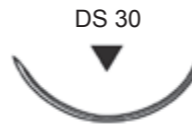




CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HS: 1/2 circle, reverse cutting needle						
HS 18	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	LV 0424 LV 0425	
HS 21	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	LV 0300 LV 0301	
HS 25	2 3 3.5	3/0 2/0 0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	LV 0441 LV 0442 LV 0443	
HS 26	3.5	0	1 x 75 cm	Violet	LV 1455	
HS 30	3 3.5 4	2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	LV 0445 LV 0446 LV 0447	
HS 36	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Violet Violet	LV 0350 LV 0351	
HS 37	3.5 4 5	0 1 2	1 x 75 cm 1 x 75 cm 1 x 90 cm	Violet Violet Violet	LV 1451 LV 1452 LV 0453	
HS 40	3 3.5 4 5	2/0 0 1 2	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet Violet	LV 0455 LV 0456 LV 0457 LV 0458	
	3.5 4	0 1	1 x 90 cm 1 x 90 cm	Violet Violet	LV 0460 LV 0461	
HS 48	3.5	0	1 x 75 cm	Violet	LV 0466	
	4 5	1 2	1 x 90 cm 1 x 90 cm	Violet Violet	LV 0469 LV 0470	

CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HSX: ½ circle, reverse cutting needle - extra strong						
 HSX 26	4	1	1 x 75 cm	Violet	LV 1456	
	5	2	1 x 75 cm	Violet	LV 1454	
 HSX 48	3.5	0	1 x 90 cm	Violet	LV 0464	
DS: 3/8 circle, reverse cutting needle						
 DS 11	0.5	7/0	1 x 45 cm	Violet	LV 0193	
 DS 12	0.7	6/0	1 x 45 cm	Violet	LV 0201	
	1	5/0	1 x 45 cm	Violet	LV 0202	
	1.5	4/0	1 x 45 cm	Violet	LV 0203	
 2 x DS 12	1.5	4/0	1 x 45 cm	Violet	LV 1210	
 DS 15	0.7	6/0	1 x 45 cm	Violet	LV 0200	
	1	5/0	1 x 45 cm	Violet	LV 0205	
	1.5	4/0	1 x 45 cm	Violet	LV 0206	
	2	3/0	1 x 45 cm	Violet	LV 0207	
 DS 15	1.5	4/0	1 x 75 cm	Violet	LV 0209	
 DS 19	1	5/0	1 x 45 cm	Violet	LV 0214	
	1.5	4/0	1 x 45 cm	Violet	LV 0215	
	2	3/0	1 x 45 cm	Violet	LV 0216	
 DS 19	1.5	4/0	1 x 75 cm	Violet	LV 0211	
	2	3/0	1 x 75 cm	Violet	LV 0212	
	3	2/0	1 x 75 cm	Violet	LV 0213	
 DS 24	2	3/0	1 x 75 cm	Violet	LV 1225	
 DS 25	1.5	4/0	1 x 75 cm	Violet	LV 0222	
	2	3/0	1 x 75 cm	Violet	LV 0223	
	3	2/0	1 x 75 cm	Violet	LV 0224	
 DS 25	2	3/0	1 x 90 cm	Violet	LV 2223	
	3	2/0	1 x 90 cm	Violet	LV 2224	
 DS 26	2	3/0	1 x 45 cm	Violet	LV 1221	

CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
 DS 30	3	2/0	1 x 75 cm	Violet	LV 0234	
	3.5	0	1 x 75 cm	Violet	LV 0235	
	3	2/0	1 x 90 cm	Violet	LV 1239	
	3.5	0	1 x 90 cm	Violet	LV 1235	
	4	1	1 x 90 cm	Violet	LV 1236	
DSC: 3/8 circle, conventional cutting needle						
 DSC 16	1.5	4/0	1 x 75 cm	Violet	LV 8208	
GS: Straight, reverse cutting needle						
 GS 13	1.5	4/0	1 x 45 cm	Violet	LV 1198	
Minimal invasive surgery						
 KR 27	3	2/0	1 x 50 cm	Violet	MS 0143	Loop
	3.5	0	1 x 50 cm	Violet	MS 0144	Loop
 KR 27	4	1	1 x 120 cm	Violet	MS 1125	Loop



CHIRASORB braided natural ligatures






Pre-cut threads

EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	LN 0012
1.5	4/0	3 x 45 cm	LN 0013
2	3/0	3 x 45 cm	LN 0014
3	2/0	3 x 45 cm	LN 0015
3.5	0	3 x 45 cm	LN 0016
2	3/0	10 x 45 cm	LN 0064
3	2/0	10 x 45 cm	LN 0065
1.5	4/0	2 x 75 cm	LN 0023
2	3/0	2 x 75 cm	LN 0024
3	2/0	2 x 75 cm	LN 0025











Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
1.5	4/0	1 x 300 cm	LN 0003
2	3/0	1 x 300 cm	LN 0004
3	2/0	1 x 300 cm	LN 0005
3.5	0	1 x 300 cm	LN 0006





CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
	1	5/0	1 x 45 cm	Natural	LN 0252	
	1.5	4/0	1 x 45 cm	Natural	LN 0253	
	1.5	4/0	1 x 75 cm	Natural	LN 0153	
	2	3/0	1 x 75 cm	Natural	LN 0256	
	1.5	4/0	1 x 75 cm	Natural	LN 0257	
	2	3/0	1 x 75 cm	Natural	LN 0262	
	3	2/0	1 x 75 cm	Natural	LN 0263	
	2	3/0	1 x 75 cm	Natural	LN 0266	
	2	3/0	1 x 75 cm	Natural	LN 0266	
	3.5	0	1 x 75 cm	Natural	LN 0274	

CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRT: ½ circle, round body needle - tapercut						
	1.5	4/0	1 x 75 cm	Natural	LN 0561	
	2	3/0	1 x 75 cm	Natural	LN 0562	
	2	3/0	1 x 75 cm	Natural	LN 0572	
	3	2/0	1 x 75 cm	Natural	LN 0572	
DS: 3/8 circle, reverse cutting needle						
	0.7	6/0	1 x 45 cm	Natural	LN 1201	
	1	5/0	1 x 45 cm	Natural	LN 1202	
	1.5	4/0	1 x 45 cm	Natural	LN 1206	
	2	3/0	1 x 45 cm	Natural	LN 1207	
	1	5/0	1 x 45 cm	Natural	LN 1208	
	1	5/0	1 x 45 cm	Natural	LN 1215	
	1.5	4/0	1 x 45 cm	Natural	LN 1216	
	2	3/0	1 x 45 cm	Natural	LN 1217	
	1.5	4/0	1 x 75 cm	Natural	LN 1211	
	2	3/0	1 x 75 cm	Natural	LN 1212	
	3	2/0	1 x 75 cm	Natural	LN 1213	
	2	3/0	1 x 45 cm	Natural	LN 1332	
	1.5	4/0	1 x 75 cm	Natural	LN 1231	
	2	3/0	1 x 75 cm	Natural	LN 1232	
	3	2/0	1 x 75 cm	Natural	LN 1243	
	3.5	0	1 x 75 cm	Natural	LN 1244	

CHIRASORB braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DSM: 3/8 circle, reverse cutting needle - micropoint						
 DSM 12	0.7	6/0	1 x 45 cm	Natural	LN 0201	Advanced cutting needle
	1	5/0	1 x 45 cm	Natural	LN 0202	
	1.5	4/0	1 x 45 cm	Natural	LN 0203	
 DSM 15	1	5/0	1 x 45 cm	Natural	LN 0206	Advanced cutting needle
	1.5	4/0	1 x 45 cm	Natural	LN 0207	
	2	3/0	1 x 45 cm	Natural	LN 0208	
 DSM 19	1.5	4/0	1 x 45 cm	Natural	LN 0216	Advanced cutting needle
	1.5	4/0	1 x 75 cm	Natural	LN 0212	
	2	3/0	1 x 75 cm	Natural	LN 0213	
 DSM 25	2	3/0	1 x 75 cm	Natural	LN 0223	Advanced cutting needle
	3	2/0	1 x 75 cm	Natural	LN 0224	

UK03
82

Absorbable - Chirasorb braided



CHIRASORB Plus braided

Antibacterial

CHIRASORB Plus braided is a mid-term absorbable, antibacterial coated, synthetic, multifilament suture made of 90% glycolide and 10% L-lactide. The braided suture is covered with antibacterial coating, which consists of copolymer glycolide and lactide, calcium stearate and chlorhexidine diacetate.

Chlorhexidine is a cationic antiseptic with a wide range of antimicrobial effects. It is effective on both Gram-positive and Gram-negative bacteria; the mechanism of action is cytoplasmic membrane disruption.

Sterile Chirasorb Plus braided is available in violet or natural. The product elicits a minimal acute inflammatory reaction in tissues.

Progressive loss of tensile strength and absorption of Chirasorb Plus braided occurs by hydrolysis, when the polymer is degraded to glycolic and lactic acids, which are subsequently absorbed and metabolised by the body.



Indication: General soft tissue approximation and/or ligation in all specialties.

Contraindication: Chirasorb Plus braided should not be used in tissues subject to expansion, stretching or distension, or which might require long-term mechanical support. Chirasorb Plus braided should not be used in patients with known allergic reactions to Chlorhexidine.

Sizes: 5/0 to 4 USP

Structure: Multifilament

Absorption method: Hydrolysis

Strength Retention Profile: MID-TERM HEALING (35 days)

1 Day	100%
14 Days	75%
21 Days	50%

Mass Absorption profile: 56 - 70 days

CHIRASORB Plus braided violet ligatures



Pre-cut threads

EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	CV 0012
1.5	4/0	3 x 45 cm	CV 0013
2	3/0	3 x 45 cm	CV 0014
3	2/0	3 x 45 cm	CV 0015
3.5	0	3 x 45 cm	CV 0016
4	1	3 x 45 cm	CV 0017
5	2	3 x 45 cm	CV 0018
1	5/0	6 x 45 cm	CV 0042
1.5	4/0	6 x 45 cm	CV 0043
2	3/0	6 x 45 cm	CV 0044
3	2/0	6 x 45 cm	CV 0045
3.5	0	6 x 45 cm	CV 0046
4	1	6 x 45 cm	CV 0047
5	2	6 x 45 cm	CV 0048
2	3/0	10 x 45 cm	CV 0064
3	2/0	10 x 45 cm	CV 0065
3.5	0	10 x 45 cm	CV 0066
4	1	10 x 45 cm	CV 0067
5	2	10 x 45 cm	CV 0068
1	5/0	2 x 75 cm	CV 0022
1.5	4/0	2 x 75 cm	CV 0023
2	3/0	2 x 75 cm	CV 0024
3	2/0	2 x 75 cm	CV 0025
3.5	0	2 x 75 cm	CV 0026
4	1	2 x 75 cm	CV 0027
5	2	2 x 75 cm	CV 0028
1.5	4/0	5 x 75 cm	CV 0053
2	3/0	5 x 75 cm	CV 0054
3	2/0	5 x 75 cm	CV 0055

Pre-cut threads

EP	USP	Length	Cat. No
3.5	0	5 x 75 cm	CV 0056
4	1	5 x 75 cm	CV 0057
5	2	5 x 75 cm	CV 0058
1.5	4/0	1 x 150 cm	CV 0083
2	3/0	1 x 150 cm	CV 0084
3	2/0	1 x 150 cm	CV 0085
3.5	0	1 x 150 cm	CV 0089
4	1	1 x 150 cm	CV 0087
5	2	1 x 150 cm	CV 0090





Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
2	3/0	1 x 250 cm	CV 1004
3	2/0	1 x 250 cm	CV 1005
3.5	0	1 x 250 cm	CV 1006
4	1	1 x 250 cm	CV 1007
5	2	1 x 250 cm	CV 1008
1.5	4/0	1 x 300 cm	CV 0003
2	3/0	1 x 300 cm	CV 0004
3	2/0	1 x 300 cm	CV 0005
3.5	0	1 x 300 cm	CV 0006
4	1	1 x 300 cm	CV 0007
5	2	1 x 300 cm	CV 0008
6	3 + 4	1 x 300 cm	CV 0009







CHIRASORB Plus braided

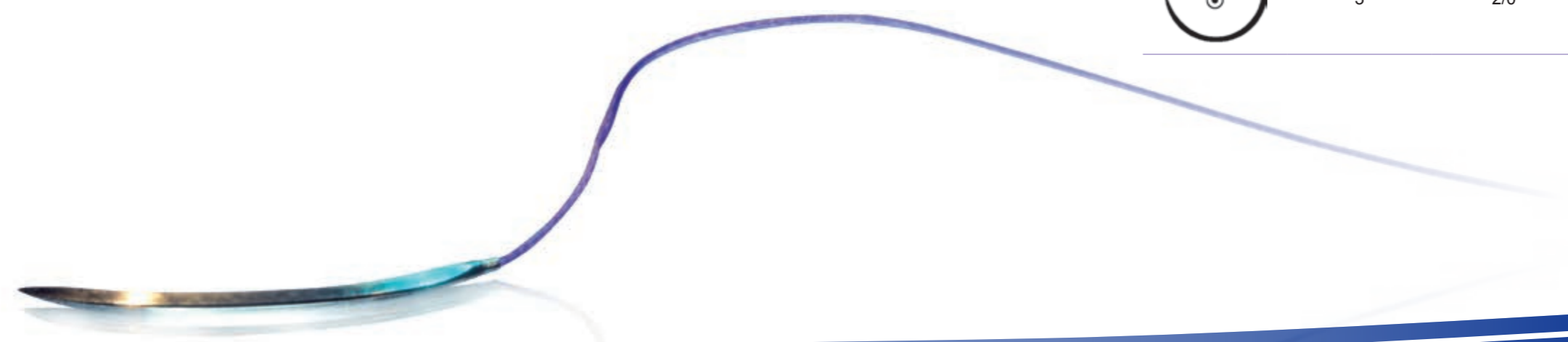
Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 10 	1	5/0	1 x 75 cm	Violet	CV 0248	
	1.5	5/0	1 x 45 cm	Violet	CV 0252	
HR 13 	4/0	4/0	1 x 45 cm	Violet	CV 0253	
	2	3/0	1 x 45 cm	Violet	CV 0250	
	1.5	5/0	1 x 75 cm	Violet	CV 0254	
HR 18 	4/0	4/0	1 x 75 cm	Violet	CV 0255	
	2	3/0	1 x 45 cm	Violet	CV 0258	
HR 22 	1.5	4/0	1 x 45 cm	Violet	CV 0259	
	1	5/0	1 x 75 cm	Violet	CV 0242	
	1.5	4/0	1 x 75 cm	Violet	CV 0256	
	2	3/0	1 x 75 cm	Violet	CV 0257	
HR 27 	3	2/0	1 x 75 cm	Violet	CV 0260	
	1.5	4/0	6 x 45 cm	Violet	CV 0526	
	2	3/0	6 x 45 cm	Violet	CV 0527	
	1.5	4/0	1 x 75 cm	Violet	CV 0261	
	2	3/0	1 x 75 cm	Violet	CV 0262	
	3	2/0	1 x 75 cm	Violet	CV 0263	
2 x HR 27 	2	3/0	4 x 75 cm	Violet	CV 0322	
	3	2/0	4 x 75 cm	Violet	CV 0323	
	1.5	4/0	1 x 45 cm	Violet	CV 0245	
	2	3/0	6 x 45 cm	Violet	CV 0537	
2 x HR 27 	3	2/0	6 x 45 cm	Violet	CV 0538	
	1.5	4/0	1 x 75 cm	Violet	CV 0265	
	2	3/0	1 x 75 cm	Violet	CV 0266	
	3	2/0	1 x 75 cm	Violet	CV 0267	
	3.5	0	1 x 75 cm	Violet	CV 0268	
2 x HR 27 	2	3/0	1 x 90 cm	Violet	CV 0366	
	3	2/0	1 x 90 cm	Violet	CV 0367	
2 x HR 27 	2	3/0	1 x 90 cm	Violet	CV 2466	
	3	2/0	1 x 90 cm	Violet	CV 2467	

CHIRASORB Plus braided














Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
	2	3/0	1 x 45 cm	Violet	CV 0169	
 HR 30	2	3/0	1 x 75 cm	Violet	CV 0269	
	3	2/0	1 x 75 cm	Violet	CV 0273	
	3.5	0	1 x 75 cm	Violet	CV 0274	
	4	1	1 x 75 cm	Violet	CV 1275	
	3.5	0	1 x 90 cm	Violet	CV 0371	
 HR 35	2	3/0	1 x 75 cm	Violet	CV 0270	
	3	2/0	1 x 75 cm	Violet	CV 0271	
	3.5	0	1 x 75 cm	Violet	CV 0272	
	4	1	1 x 75 cm	Violet	CV 1273	
	5	2	1 x 75 cm	Violet	CV 1272	
	3	2/0	1 x 90 cm	Violet	CV 0374	
	3.5	0	1 x 90 cm	Violet	CV 0375	
	4	1	1 x 90 cm	Violet	CV 0376	
 HR 40	3	2/0	1 x 75 cm	Violet	CV 0275	
	3.5	0	1 x 75 cm	Violet	CV 0276	
	4	1	1 x 75 cm	Violet	CV 0277	
	3	2/0	1 x 90 cm	Violet	CV 1475	
	3.5	0	1 x 90 cm	Violet	CV 1476	
	4	1	1 x 90 cm	Violet	CV 1477	
	5	2	1 x 90 cm	Violet	CV 1478	
 HR 48	3.5	0	1 x 75 cm	Violet	CV 1402	
	4	1	1 x 75 cm	Violet	CV 1396	
	5	2	1 x 75 cm	Violet	CV 1400	
	3.5	0	1 x 90 cm	Violet	CV 1403	
	4	1	1 x 90 cm	Violet	CV 1401	
	5	2	1 x 90 cm	Violet	CV 1399	

CHIRASORB Plus braided









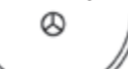

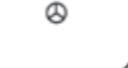
Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
	3.5	0	1 x 90 cm	Violet	CV 1392	
 HR 50	3.5	0	1 x 90 cm	Violet	CV 1392	
	3	2/0	1 x 75 cm	Violet	CV 0278	
 HR 60	3.5	0	1 x 75 cm	Violet	CV 0279	
	3	2/0	1 x 75 cm	Violet	CV 0278	
 HR 65	4	1	1 x 75 cm	Violet	CV 1285	
	5	2	1 x 75 cm	Violet	CV 1286	
 HR 75	5	2	1 x 75 cm	Violet	CV 0496	
	5	2	1 x 75 cm	Violet	CV 0496	
HR s: ½ circle, round body needle - slim						
 HR s 18	1.5	4/0	1 x 75 cm	Violet	CV 1256	Slim needle
	2	3/0	1 x 75 cm	Violet	CV 1257	
 HR s 27 Black	3	2/0	1 x 75 cm	Violet	CV 2267	Slim, black needle
	3	2/0	1 x 75 cm	Violet	CV 2267	












CHIRASORB Plus braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						
HRX 22 	2	3/0	1 x 75 cm	Violet	CV 0420	
HRX 27 	2	3/0	1 x 75 cm	Violet	CV 0429	
	3	2/0	1 x 75 cm	Violet	CV 0430	
	3.5	0	1 x 75 cm	Violet	CV 0431	
	4	1	1 x 75 cm	Violet	CV 0432	
HRX 30 	2	3/0	1 x 75 cm	Violet	CV 0426	
	4	1	1 x 90 cm	Violet	CV 1438	
HRX 35 	3	2/0	1 x 75 cm	Violet	CV 0280	
	3.5	0	1 x 75 cm	Violet	CV 0281	
	4	1	1 x 75 cm	Violet	CV 0282	
HRX 40 	3.5	0	1 x 90 cm	Violet	CV 0381	
	4	1	1 x 75 cm	Violet	CV 0285	
HRX 45 	3.5	0	1 x 75 cm	Violet	CV 0286	
	4	1	1 x 75 cm	Violet	CV 0285	
	5	2	1 x 90 cm	Violet	CV 0385	
HRX 50 	3.5	0	1 x 90 cm	Violet	CV 0386	
	4	1	1 x 90 cm	Violet	CV 0387	
	5	2	1 x 90 cm	Violet	CV 0387	
HRX 40 	3.5	0	1 x 150 cm	Violet	CV 4035	Loop
	4	1	1 x 150 cm	Violet	CV 4040	Loop
HRX 45 	4	1	1 x 75 cm	Violet	CV 0290	
	5	2	1 x 75 cm	Violet	CV 0291	
HRX 45 	4	1	1 x 90 cm	Violet	CV 0390	
	5	2	1 x 90 cm	Violet	CV 0391	
HRX 45 	3.5	0	1 x 75 cm	Violet	CV 0294	
	4	1	1 x 75 cm	Violet	CV 0295	
	5	2	1 x 75 cm	Violet	CV 0296	
HRX 50 	4	1	1 x 90 cm	Violet	CV 0395	
	5	2	1 x 90 cm	Violet	CV 0396	
HRX 50 	5	2	1 x 110 cm	Violet	CV 0393	
	4	1	1 x 150 cm	Violet	CV 4540	Loop







CHIRASORB Plus braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRT: ½ circle, round body needle - tapercut						
HRT 17 	1.5	4/0	1 x 45 cm	Violet	CV 0566	
	1.5	4/0	1 x 75 cm	Violet	CV 0561	
HRT 17 	2	3/0	1 x 75 cm	Violet	CV 0562	
	3.5	0	1 x 75 cm	Violet	CV 0583	
HRT 25 	2	3/0	1 x 75 cm	Violet	CV 0581	
	3	2/0	1 x 75 cm	Violet	CV 0582	
	3.5	0	1 x 75 cm	Violet	CV 0583	
HRT 30 	3.5	0	1 x 75 cm	Violet	CV 0586	
	4	1	1 x 75 cm	Violet	CV 0587	
HRT 30 	4	1	1 x 90 cm	Violet	CV 0589	
	3	2/0	1 x 75 cm	Violet	CV 0606	
HRT 31 	3	2/0	1 x 75 cm	Violet	CV 0606	
HRT 37 	3	2/0	1 x 75 cm	Violet	CV 0592	
	3.5	0	1 x 75 cm	Violet	CV 0593	
HRT 37 	3	2/0	1 x 90 cm	Violet	CV 0597	
	3.5	0	1 x 90 cm	Violet	CV 0598	
	4	1	1 x 90 cm	Violet	CV 0599	
HRT 40 	3.5	0	1 x 75 cm	Violet	CV 0653	
	4	1	1 x 90 cm	Violet	CV 0651	
HRT 45 	3	2/0	1 x 75 cm	Violet	CV 0663	
	5	2	1 x 75 cm	Violet	CV 0665	
HRT 48 	3	2/0	1 x 75 cm	Violet	CV 1671	
	5	2	1 x 90 cm	Violet	CV 1668	












CHIRASORB Plus braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRN: 1/2 circle, round body needle - blunt point						
HRN 50 	4	1	1 x 90 cm	Violet	CV 0686	
HRF: 1/2 circle, flattened body needle, taper point						
HRF 17 	1 1.5	5/0 4/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 9242 CV 9256	
HRF 22 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 9344 CV 9343	
HRF 26 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 9266 CV 9267	
	2	3/0	1 x 90 cm	Violet	CV 9366	
HRF 31 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 9269 CV 9273	
HRF 36 	2 3 3.5	3/0 2/0 0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	CV 9577 CV 9236 CV 9235	
DR: 3/8 circle, round body needle						
DR 15 	1.5	4/0	1 x 75 cm	Violet	CV 0724	
DR 21 	3	2/0	1 x 75 cm	Violet	CV 0744	
DR 30 	2	3/0	1 x 75 cm	Violet	CV 0746	









CHIRASORB Plus braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DRN: 3/8 circle, round body needle - blunt point						
DRN 60 	4	1	1 x 100 cm	Violet	CV 0699	
FR: 5/8 circle, round body needle						
FR 27 	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 0610 CV 0611	
FR 38 	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 0620 CV 0621	
GR: Straight, round body needle						
	1.5 2	4/0 3/0	1 x 45 cm 1 x 45 cm	Violet Violet	CV 0406 CV 0407	
GR 20 	1.5	4/0	1 x 75 cm	Violet	CV 0402	
	3	2/0	1 x 90 cm	Violet	CV 0399	
ART: Asymmetric, round body needle - tapercut						
ART 30 Black 	1.5	4/0	1 x 45 cm	Violet	CV 0630	Black needle
JRT: Hook shaped, round body needle - tapercut						
JRT 30 	4	1	1 x 75 cm	Violet	CV 0694	

CHIRASORB Plus braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
KR: Ski, round body needle						
KR 27 	2	3/0	1 x 40 cm	Violet	CV 4630	Loop
HS: 1/2 circle, reverse cutting needle						
HS 18 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 0424 CV 0425	
HS 21 	1.5	4/0	1 x 75 cm	Violet	CV 0300	
HS 25 	2 3 3.5	3/0 2/0 0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	CV 0441 CV 0442 CV 0443	
HS 30 	3 3.5 4	2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	CV 0445 CV 0446 CV 0447	
HS 37 	3.5 4	0 1	1 x 75 cm 1 x 75 cm	Violet Violet	CV 1451 CV 1452	
HS 40 	3.5 5	0 2	1 x 90 cm 1 x 90 cm	Violet Violet	CV 0451 CV 0453	
HS 40 	3 3.5 4 5	2/0 0 1 2	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet Violet	CV 0455 CV 0456 CV 0457 CV 0458	
HS 40 	3.5 4	0 1	1 x 90 cm 1 x 90 cm	Violet Violet	CV 0460 CV 0461	
HS 48 	3.5	0	1 x 75 cm	Violet	CV 0466	
HS 48 	4 5	1 2	1 x 90 cm 1 x 90 cm	Violet Violet	CV 0469 CV 0470	

CHIRASORB Plus braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
DS 12 	1 1.5	5/0 4/0	1 x 45 cm 1 x 45 cm	Violet Violet	CV 0202 CV 0203	
DS 15 	1 1.5 2	5/0 4/0 3/0	1 x 45 cm 1 x 45 cm 1 x 45 cm	Violet Violet Violet	CV 0205 CV 0206 CV 0207	
DS 19 	1 1.5 2	5/0 4/0 3/0	1 x 45 cm 1 x 45 cm 1 x 45 cm	Violet Violet Violet	CV 0214 CV 0215 CV 0216	
DS 19 	1.5 2 3	4/0 3/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	CV 0211 CV 0212 CV 0213	
DS 25 	1.5 2 3	4/0 3/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	CV 0222 CV 0223 CV 0224	
DS 30 	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Violet Violet	CV 0234 CV 0235	
DSM: 3/8 circle, reverse cutting needle - micropoint						
DSM 12 	1	5/0	1 x 45 cm	Violet	CV 0302	Advanced cutting needle
GS: Straight, reverse cutting needle						
GS 13 	1.5	4/0	1 x 45 cm	Violet	CV 1198	

CHIRASORB Plus braided natural ligatures



Pre-cut threads

EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	CN 0012
1.5	4/0	3 x 45 cm	CN 0013
2	3/0	3 x 45 cm	CN 0014
3	2/0	3 x 45 cm	CN 0015
3.5	0	3 x 45 cm	CN 0016
2	3/0	10 x 45 cm	CN 0064
3	2/0	10 x 45 cm	CN 0065
1	5/0	2 x 75 cm	CN 0022
1.5	4/0	2 x 75 cm	CN 0023
2	3/0	2 x 75 cm	CN 0024
3	2/0	2 x 75 cm	CN 0025
1.5	4/0	5 x 75 cm	CN 0053
2	3/0	5 x 75 cm	CN 0054
3	2/0	5 x 75 cm	CN 0055
3.5	0	5 x 75 cm	CN 0056
4	1	5 x 75 cm	CN 0057
5	2	5 x 75 cm	CN 0058

Chirapack - 20 pcs./box







EP	USP	Length	Cat. No
1.5	4/0	1 x 300 cm	CN 0003
2	3/0	1 x 300 cm	CN 0004
3	2/0	1 x 300 cm	CN 0005
3.5	0	1 x 300 cm	CN 0006

CHIRASORB Plus braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 13 	1 1.5	5/0 4/0	1 x 45 cm 1 x 45 cm	Natural Natural	CN 0252 CN 0253	
HR 18 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Natural Natural	CN 0256 CN 0257	
HR 22 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Natural Natural	CN 0262 CN 0263	
HR 27 	2	3/0	1 x 75 cm	Natural	CN 0266	
HR 30 	3.5	0	1 x 75 cm	Natural	CN 0274	
HRT: ½ circle, round body needle - tapercut						
HRT 17 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Natural Natural	CN 0561 CN 0562	
HRT 22 	2	3/0	1 x 75 cm	Natural	CN 0572	
HRT 40 	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Natural Natural	CN 0694 CN 0653	



CHIRASORB Plus braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRF: ½ circle, flattened body needle, taper point						
HRF 13 	1	5/0	1 x 45 cm	Natural	CN 9252	
HRF 22 	2	3/0	1 x 75 cm	Natural	CN 9262	
HRF 26 	3	2/0	1 x 75 cm	Natural	CN 9267	
DS: 3/8 circle, reverse cutting needle						
DS 12 	1	5/0	1 x 45 cm	Natural	CN 1202	
DS 15 	1.5	4/0	1 x 45 cm	Natural	CN 1206	
	2	3/0	1 x 45 cm	Natural	CN 1207	
DS 19 	1	5/0	1 x 45 cm	Natural	CN 1215	
	1.5	4/0	1 x 45 cm	Natural	CN 1216	
	2	3/0	1 x 45 cm	Natural	CN 1217	
	1.5	4/0	1 x 75 cm	Natural	CN 1211	
	2	3/0	1 x 75 cm	Natural	CN 1212	
	3	2/0	1 x 75 cm	Natural	CN 1213	

UK03
98



Absorbable - Chirasorb Plus braided

Chirlac braided

chirlac

Chirlac

chirlac

CHIRLAC braided

CHIRLAC braided is a mid-term absorbable, synthetic, multifilament suture material of extremely high tensile strength made of the homopolymer of hydroacetic acid (glycolic acid).

The thread has a homogeneous structure and surface, which gives it low frictional properties and holds firmly without slipping when knotted.

Chirlac braided is coated with an absorbable substance, which reduces the capillary effect, provides excellent holding properties and diminishes the tendency to cut into the flesh, while ensuring that the knots hold firmly.

Chirlac braided is degraded in the body by a simple hydrolytic process. The degraded products are metabolised completely in the body. Absorption begins as a loss of tensile strength without appreciable loss of mass.



Indication: General soft tissue approximation and/or ligation, for the surgical adaptation of Muscles and Fascia, for suturing of Parenchymal organs, Peripheral nerves, for ligatures of small vessels and for Intradermal suturing.

Contraindication: Chirlac braided should not be used in tissues subject to expansion, stretching or distension, or which might require long-term mechanical support.

Sizes: 9/0 to 6 USP

Structure: Multifilament

Absorption method: Hydrolysis

Strength Retention Profile:

MID-TERM HEALING (28 - 35 days)	
1 Day	100%
14 Days	65% - 75%
21 Days	45% - 50%

Mass Absorption profile: 80 - 90 days

CHIRLAC braided violet ligatures

UK03
102

Pre-cut threads

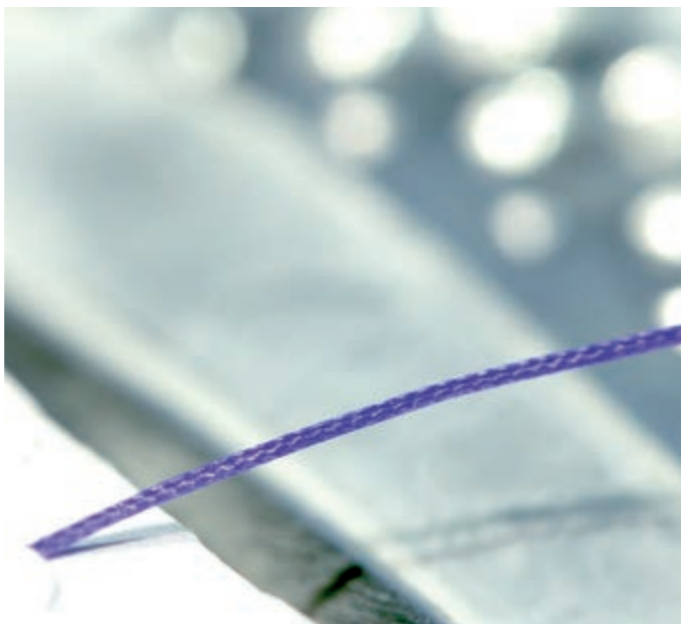
EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	PG 0012
1.5	4/0	3 x 45 cm	PG 0013
2	3/0	3 x 45 cm	PG 0014
3	2/0	3 x 45 cm	PG 0015
3.5	0	3 x 45 cm	PG 0016
4	1	3 x 45 cm	PG 0017
5	2	3 x 45 cm	PG 0018
1	5/0	6 x 45 cm	PG 0042
1.5	4/0	6 x 45 cm	PG 0043
2	3/0	6 x 45 cm	PG 0044
3	2/0	6 x 45 cm	PG 0045
3.5	0	6 x 45 cm	PG 0046
4	1	6 x 45 cm	PG 0047
5	2	6 x 45 cm	PG 0048
2	3/0	10 x 45 cm	PG 0064
3	2/0	10 x 45 cm	PG 0065
3.5	0	10 x 45 cm	PG 0066
4	1	10 x 45 cm	PG 0067
5	2	10 x 45 cm	PG 0068
2	3/0	12 x 45 cm	PG 4564
1	5/0	2 x 75 cm	PG 0022
1.5	4/0	2 x 75 cm	PG 0023
2	3/0	2 x 75 cm	PG 0024
3	2/0	2 x 75 cm	PG 0025
3.5	0	2 x 75 cm	PG 0026
4	1	2 x 75 cm	PG 0027
5	2	2 x 75 cm	PG 0028
1.5	4/0	5 x 75 cm	PG 0053
2	3/0	5 x 75 cm	PG 0054
3	2/0	5 x 75 cm	PG 0055
3.5	0	5 x 75 cm	PG 0056
4	1	5 x 75 cm	PG 0057
5	2	5 x 75 cm	PG 0058
2	3/0	1 x 140 cm	PG 4084

Pre-cut threads

EP	USP	Length	Cat. No
1.5	4/0	1 x 150 cm	PG 0083
2	3/0	1 x 150 cm	PG 0084
3	2/0	1 x 150 cm	PG 0085
3.5	0	1 x 150 cm	PG 0089
4	1	1 x 150 cm	PG 0087
5	2	1 x 150 cm	PG 0090

Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
2	3/0	1 x 250 cm	PG 1004
3	2/0	1 x 250 cm	PG 1005
3.5	0	1 x 250 cm	PG 1006
4	1	1 x 250 cm	PG 1007
5	2	1 x 250 cm	PG 1008
1.5	4/0	1 x 300 cm	PG 0003
2	3/0	1 x 300 cm	PG 0004
3	2/0	1 x 300 cm	PG 0005
3.5	0	1 x 300 cm	PG 0006
4	1	1 x 300 cm	PG 0007
5	2	1 x 300 cm	PG 0008
6	3 + 4	1 x 300 cm	PG 0009



CHIRLAC braided





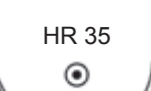



UK03
103

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 10 	0.7	6/0	1 x 45 cm	Violet	PG 0246	
	1	5/0	1 x 75 cm	Violet	PG 0248	
HR 13 	0.7	6/0	1 x 45 cm	Violet	PG 0251	
	1	5/0	1 x 45 cm	Violet	PG 0252	
	1.5	4/0	1 x 45 cm	Violet	PG 0253	
	2	3/0	1 x 45 cm	Violet	PG 0250	
HR 17 	0.7	6/0	1 x 75 cm	Violet	PG 1251	
	1	5/0	1 x 75 cm	Violet	PG 0254	
	1.5	4/0	1 x 75 cm	Violet	PG 0255	
HR 18 	1	5/0	1 x 75 cm	Violet	PG 0249	
	1.5	4/0	1 x 45 cm	Violet	PG 0258	
HR 18 	2	3/0	1 x 45 cm	Violet	PG 0259	
	0.7	6/0	1 x 75 cm	Violet	PG 0241	
	1	5/0	1 x 75 cm	Violet	PG 0242	
	1.5	4/0	1 x 75 cm	Violet	PG 0256	
	2	3/0	1 x 75 cm	Violet	PG 0257	
2 x HR 18 	3	2/0	1 x 75 cm	Violet	PG 0260	
	1.5	4/0	1 x 90 cm	Violet	PG 2265	
HR 20 	1.5	4/0	1 x 75 cm	Violet	PG 1261	
	2	3/0	1 x 75 cm	Violet	PG 1259	
HR 22 	1.5	4/0	6 x 45 cm	Violet	PG 0526	
	2	3/0	6 x 45 cm	Violet	PG 0527	
	1.5	4/0	1 x 75 cm	Violet	PG 0261	
HR 22 	2	3/0	1 x 75 cm	Violet	PG 0262	
	3	2/0	1 x 75 cm	Violet	PG 0263	
	2	3/0	4 x 75 cm	Violet	PG 0322	
HR 22 A 	3	2/0	4 x 75 cm	Violet	PG 0323	
	2	3/0	6 x 45 cm	Violet	PG 0327	Take-off needle
2 x HR 22 	3	2/0	1 x 75 cm	Violet	PG 0532	
	2	3/0	1 x 90 cm	Violet	PG 0533	
HR 26 	3	2/0	1 x 90 cm	Violet	PG 0534	
	2	3/0	1 x 75 cm	Violet	PG 0535	
	3	2/0	1 x 75 cm	Violet	PG 0536	









Absorbable - Chirlac braided

Absorbable - Chirlac braided






CHIRLAC braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
	1.5	4/0	1 x 45 cm	Violet	PG 0245	
	3	2/0	6 x 45 cm	Violet	PG 0538	
	1.5	4/0	1 x 75 cm	Violet	PG 0265	
	2	3/0	1 x 75 cm	Violet	PG 0266	
	3	2/0	1 x 75 cm	Violet	PG 0267	
	3.5	0	1 x 75 cm	Violet	PG 0268	
	2	3/0	1 x 90 cm	Violet	PG 0366	
	3	2/0	1 x 90 cm	Violet	PG 0367	
	2	3/0	1 x 45 cm	Violet	PG 0169	
	2	3/0	1 x 75 cm	Violet	PG 0269	
	3	2/0	1 x 75 cm	Violet	PG 0273	
	3.5	0	1 x 75 cm	Violet	PG 0274	
	4	1	1 x 75 cm	Violet	PG 1275	
	3	2/0	1 x 90 cm	Violet	PG 0364	
	3.5	0	1 x 90 cm	Violet	PG 0371	
	3	2/0	1 x 100 cm	Violet	PG 2275	
	3.5	0	4 x 75 cm	Violet	PG 3274	Take-off needle
	2	3/0	1 x 75 cm	Violet	PG 0270	
	3	2/0	1 x 75 cm	Violet	PG 0271	
	3.5	0	1 x 75 cm	Violet	PG 0272	
	4	1	1 x 75 cm	Violet	PG 1273	
	5	2	1 x 75 cm	Violet	PG 1272	
	2	3/0	1 x 90 cm	Violet	PG 0373	
	3	2/0	1 x 90 cm	Violet	PG 0374	
	3.5	0	1 x 90 cm	Violet	PG 0375	
	4	1	1 x 90 cm	Violet	PG 0376	
	3	2/0	4 x 75 cm	Violet	PG 3374	Take-off needle

CHIRLAC braided













Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
	3	2/0	1 x 75 cm	Violet	PG 0275	
	3.5	0	1 x 75 cm	Violet	PG 0276	
	4	1	1 x 75 cm	Violet	PG 0277	
	3	2/0	1 x 90 cm	Violet	PG 1475	
	3.5	0	1 x 90 cm	Violet	PG 1476	
	4	1	1 x 90 cm	Violet	PG 1477	
	5	2	1 x 90 cm	Violet	PG 1478	
	3.5	0	1 x 75 cm	Violet	PG 1402	
	5	2	1 x 75 cm	Violet	PG 1400	
	3.5	0	1 x 90 cm	Violet	PG 1403	
	4	1	1 x 90 cm	Violet	PG 1401	
	5	2	1 x 90 cm	Violet	PG 1399	
	3	2/0	1 x 75 cm	Violet	PG 1291	
	3	2/0	1 x 90 cm	Violet	PG 1391	
	3.5	0	1 x 90 cm	Violet	PG 1392	
	4	1	1 x 90 cm	Violet	PG 1393	
	3	2/0	1 x 75 cm	Violet	PG 0278	
	3.5	0	1 x 75 cm	Violet	PG 0279	
	5	2	1 x 75 cm	Violet	PG 1286	
	4	1	1 x 75 cm	Violet	PG 1289	
	5	2	1 x 75 cm	Violet	PG 0496	
	5	2	1 x 75 cm	Violet	PG 0496	

CHIRLAC braided












Needle	EP	USP	Length	Colour	Cat. No	Other information
HR s: ½ circle, round body needle - slim						
HR s 18 	1.5	4/0	1 x 75 cm	Violet	PG 1256	Slim needle
	2	3/0	1 x 75 cm	Violet	PG 1257	
HR s 18 black 	1.5	4/0	1 x 75 cm	Violet	PG 2256	Slim, black needle
	2	3/0	1 x 75 cm	Violet	PG 2257	
HR s 22 	2	3/0	1 x 45 cm	Violet	PG 1362	Slim needle
	2	3/0	1 x 75 cm	Violet	PG 1262	
	3	2/0	1 x 75 cm	Violet	PG 1263	
HR s 22 black 	2	3/0	1 x 75 cm	Violet	PG 2262	Slim, black needle
	3	2/0	1 x 75 cm	Violet	PG 2263	
HR s 27 	2	3/0	1 x 45 cm	Violet	PG 1366	Slim needle
	3	2/0	1 x 75 cm	Violet	PG 1267	








CHIRLAC braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						
HRX 22 	2	3/0	1 x 75 cm	Violet	PG 0420	
	3	2/0	1 x 75 cm	Violet	PG 0421	
	3.5	0	1 x 75 cm	Violet	PG 0422	
HRX 27 	2	3/0	1 x 75 cm	Violet	PG 0429	
	3	2/0	1 x 75 cm	Violet	PG 0430	
	3.5	0	1 x 75 cm	Violet	PG 0431	
	4	1	1 x 75 cm	Violet	PG 0432	
	5	2	1 x 75 cm	Violet	PG 0433	
HRX 30 	3	2/0	1 x 90 cm	Violet	PG 0435	
	3.5	0	1 x 90 cm	Violet	PG 0436	
	4	1	1 x 90 cm	Violet	PG 0437	
HRX 30 	4	1	1 x 75 cm	Violet	PG 1436	
HRX 35 	3	2/0	1 x 75 cm	Violet	PG 0280	
	3.5	0	1 x 75 cm	Violet	PG 0281	
	4	1	1 x 75 cm	Violet	PG 0282	
HRX 35 	3	2/0	1 x 90 cm	Violet	PG 0380	
	3.5	0	1 x 90 cm	Violet	PG 0381	
	4	1	1 x 90 cm	Violet	PG 0382	
HRX 36 	3.5	0	1 x 90 cm	Violet	PG 1381	
	4	1	1 x 90 cm	Violet	PG 1382	
HRX 40 	3.5	0	1 x 75 cm	Violet	PG 0285	
	4	1	1 x 75 cm	Violet	PG 0286	
	5	2	1 x 75 cm	Violet	PG 0287	
HRX 40 	3.5	0	1 x 90 cm	Violet	PG 0385	
	4	1	1 x 90 cm	Violet	PG 0386	
	5	2	1 x 90 cm	Violet	PG 0387	
HRX 40 	3.5	0	1 x 150 cm	Violet	PG 4035	Loop
	4	1	1 x 150 cm	Violet	PG 4040	
HRX 45 	4	1	1 x 75 cm	Violet	PG 0290	
	5	2	1 x 75 cm	Violet	PG 0291	
HRX 45 	4	1	1 x 90 cm	Violet	PG 0390	
	5	2	1 x 90 cm	Violet	PG 0391	

CHIRLAC braided





Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						
	3.5	0	1 x 75 cm	Violet	PG 0294	
	4	1	1 x 75 cm	Violet	PG 0295	
	5	2	1 x 75 cm	Violet	PG 0296	
	4	1	1 x 90 cm	Violet	PG 0395	
	5	2	1 x 90 cm	Violet	PG 0396	
	5	2	1 x 110 cm	Violet	PG 0393	
	4	1	1 x 150 cm	Violet	PG 4540	Loop
	5	2	1 x 240 cm	Violet	PG 6550	Loop
	HRT: ½ circle, round body needle - tapercut					
	1.5	4/0	1 x 75 cm	Violet	PG 0551	
	1.5	4/0	1 x 45 cm	Violet	PG 0566	
	2	3/0	1 x 45 cm	Violet	PG 0567	
	1	5/0	1 x 75 cm	Violet	PG 0560	
	1.5	4/0	1 x 75 cm	Violet	PG 0561	
	2	3/0	1 x 75 cm	Violet	PG 0562	
	3	2/0	1 x 90 cm	Violet	PG 0569	
		1.5	4/0	6 x 45 cm	Violet	PG 0633
	3	2/0	1 x 75 cm	Violet	PG 0573	
	1.5	4/0	1 x 75 cm	Violet	PG 0580	
	2	3/0	1 x 75 cm	Violet	PG 0581	
	3	2/0	1 x 75 cm	Violet	PG 0582	

CHIRLAC braided







Needle	EP	USP	Length	Colour	Cat. No	Other information
HRT: ½ circle, round body needle - tapercut						
	3.5	0	1 x 75 cm	Violet	PG 0586	
	4	1	1 x 90 cm	Violet	PG 0589	
	3	2/0	1 x 75 cm	Violet	PG 0606	
	3	2/0	1 x 75 cm	Violet	PG 0592	
	3.5	0	1 x 75 cm	Violet	PG 0593	
	3	2/0	1 x 90 cm	Violet	PG 0597	
	3.5	0	1 x 90 cm	Violet	PG 0598	
	4	1	1 x 90 cm	Violet	PG 0599	
	5	2	1 x 75 cm	Violet	PG 0665	



CHIRLAC braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRTX: ½ circle, round body needle - tapercut, extra strong						
HRTX 45 	5	2	1 x 90 cm	Violet	PG 0643	
HRTX 50 	4	1	1 x 90 cm	Violet	PG 0656	
	4	1	1 x 150 cm	Violet	PG 5040	Loop
HRN: ½ circle, round body needle - blunt point						
HRN 50 	4	1	1 x 90 cm	Violet	PG 0686	
HRF: ½ circle, flattened body needle, taper point						
HRF 26 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	PG 9266 PG 9267	

CHIRLAC braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DR: 3/8 circle, round body needle						
DR 21 	3	2/0	1 x 75 cm	Violet	PG 0744	
DR 30 	2	3/0	1 x 75 cm	Violet	PG 0746	
DRN: 3/8 circle, round body needle - blunt point						
DRN 60 	4	1	1 x 100 cm	Violet	PG 0699	
FR: 5/8 circle, round body needle						
FR 27 	3 4	2/0 1	1 x 75 cm 1 x 75 cm	Violet Violet	PG 0610 PG 0612	
FR 38 	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Violet Violet	PG 0620 PG 0621	
GR: Straight, round body needle						
	1.5 2	4/0 3/0	1 x 45 cm 1 x 45 cm	Violet Violet	PG 0406 PG 0407	
GR 20 	1.5	4/0	1 x 75 cm	Violet	PG 0402	
	3	2/0	1 x 90 cm	Violet	PG 0399	

UK03
110





Absorbable - Chirlac braided

UK03
111









Absorbable - Chirlac braided



CHIRLAC braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
ART: Asymmetric, round body needle - tapercut						
ART 30 black 	1.5	4/0	1 x 45 cm	Violet	PG 0630	Black needle
KR: Ski, round body needle						
KR 27 	2	3/0	1 x 40 cm	Violet	PG 4630	Loop
JRT: Hook shaped, round body needle - tapercut						
JRT 30 	4	1	1 x 75 cm	Violet	PG 0694	
J-RX: Hook shaped, round body needle						
J-RX 22 	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Violet Violet	PG 0397 PG 0398	

CHIRLAC braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HS: 1/2 circle, reverse cutting needle						
HS 18 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	PG 0424 PG 0425	
HS 21 	1.5 2	4/0 3/0	1 x 45 cm 1 x 45 cm	Violet Violet	PG 0298 PG 0299	
2 x HS 21 	1.5	4/0	1 x 75 cm	Violet	PG 1300	
HS 25 	2 3 3.5	3/0 2/0 0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	PG 0441 PG 0442 PG 0443	
HS 30 	3 3.5 4	2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	PG 0445 PG 0446 PG 0447	
HS 36 	3.5	0	1 x 75 cm	Violet	PG 0351	
HS 37 	2	3/0	1 x 90 cm	Violet	PG 0449	
HS 40 	3 3.5 4 5	2/0 0 1 2	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet Violet	PG 0455 PG 0456 PG 0457 PG 0458	
	3.5 4	0 1	1 x 90 cm 1 x 90 cm	Violet Violet	PG 0460 PG 0461	



CHIRLAC braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HS: 1/2 circle, reverse cutting needle						
HS 45	3.5	0	1 x 75 cm	Violet	PG 0472	
HS 48	3.5	0	1 x 75 cm	Violet	PG 0466	
HS 55	3.5	0	1 x 90 cm	Violet	PG 0468	
	4	1	1 x 90 cm	Violet	PG 0469	
	5	2	1 x 90 cm	Violet	PG 0470	
HS 55	4	1	1 x 75 cm	Violet	PG 0476	
	5	2	1 x 75 cm	Violet	PG 0477	
DS: 3/8 circle, reverse cutting needle						
DS 12	0.7	6/0	1 x 45 cm	Violet	PG 0201	
	1	5/0	1 x 45 cm	Violet	PG 0202	
	1.5	4/0	1 x 45 cm	Violet	PG 0203	
DS 12	0.7	6/0	1 x 75 cm	Violet	PG 0196	
	1	5/0	1 x 45 cm	Violet	PG 0205	
DS 15	1.5	4/0	1 x 45 cm	Violet	PG 0206	
	2	3/0	1 x 45 cm	Violet	PG 0207	
	1.5	4/0	1 x 75 cm	Violet	PG 0209	
DS 19	1	5/0	1 x 45 cm	Violet	PG 0214	
	1.5	4/0	1 x 45 cm	Violet	PG 0215	
	2	3/0	1 x 45 cm	Violet	PG 0216	
	3	2/0	1 x 45 cm	Violet	PG 0217	
DS 19	1.5	4/0	1 x 75 cm	Violet	PG 0211	
	2	3/0	1 x 75 cm	Violet	PG 0212	
	3	2/0	1 x 75 cm	Violet	PG 0213	
DS 24	2	3/0	1 x 75 cm	Violet	PG 1225	
	3	2/0	1 x 75 cm	Violet	PG 0228	
DS 25	1.5	4/0	1 x 75 cm	Violet	PG 0222	
	2	3/0	1 x 75 cm	Violet	PG 0223	
	3	2/0	1 x 75 cm	Violet	PG 0224	

CHIRLAC braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
DS 26	2	3/0	1 x 45 cm	Violet	PG 1221	
DS 30	3	2/0	1 x 75 cm	Violet	PG 0234	
	3.5	0	1 x 75 cm	Violet	PG 0235	
	4	1	1 x 75 cm	Violet	PG 0229	
DS 37	5	2	1 x 75 cm	Violet	PG 1237	
DS 38	3	2/0	1 x 75 cm	Violet	PG 0244	
	4	1	1 x 75 cm	Violet	PG 1246	
DS 50	3.5	0	1 x 75 cm	Violet	PG 1247	
DSM: 3/8 circle, reverse cutting needle - micropoint						
DSM 12	1	5/0	1 x 45 cm	Violet	PG 0302	Advanced cutting needle
DSM 19	2	3/0	1 x 45 cm	Violet	PG 1213	Advanced cutting needle
DSM 25	2	3/0	1 x 75 cm	Violet	PG 1223	Advanced cutting needle
GS: Straight, reverse cutting needle						
GS 13	1.5	4/0	1 x 45 cm	Violet	PG 1198	
GS 60	2	3/0	1 x 75 cm	Violet	PG 0236	
	3	2/0	1 x 75 cm	Violet	PG 0237	
Minimal invasive surgery						
	4	1	1 x 70 cm	Violet	MS 0125	Loop
	5	2	1 x 70 cm	Violet	MS 0126	Loop

CHIRLAC braided natural ligatures

UK03
116

Pre-cut threads

EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	PN 0012
1.5	4/0	3 x 45 cm	PN 0013
2	3/0	3 x 45 cm	PN 0014
3	2/0	3 x 45 cm	PN 0015
3.5	0	3 x 45 cm	PN 0016
2	3/0	10 x 45 cm	PN 0064
3	2/0	10 x 45 cm	PN 0065
1.5	4/0	2 x 75 cm	PN 0023
2	3/0	2 x 75 cm	PN 0024
3	2/0	2 x 75 cm	PN 0025

Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
1.5	4/0	1 x 300 cm	PN 0003
2	3/0	1 x 300 cm	PN 0004
3	2/0	1 x 300 cm	PN 0005
3.5	0	1 x 300 cm	PN 0006



CHIRLAC braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
	1	5/0	1 x 45 cm	Natural	PN 0252	
	1.5	4/0	1 x 45 cm	Natural	PN 0253	
	1	4/0	6 x 45 cm	Natural	PN 0352	Take-off needle
	1.5	4/0	1 x 75 cm	Natural	PN 0256	
	2	3/0	1 x 75 cm	Natural	PN 0257	
	2	3/0	6 x 45 cm	Natural	PN 0357	Take-off needle
	2	3/0	1 x 75 cm	Natural	PN 0262	
	3	2/0	1 x 75 cm	Natural	PN 0263	
	2	3/0	1 x 75 cm	Natural	PN 0266	
	3	2/0	1 x 75 cm	Natural	PN 0267	
	3.5	0	1 x 75 cm	Natural	PN 0268	
	3.5	0	1 x 75 cm	Natural	PN 0274	

CHIRLAC braided







UK03
117

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRT: ½ circle, round body needle - tapercut						
	1.5	4/0	1 x 75 cm	Natural	PN 0561	
	2	3/0	1 x 75 cm	Natural	PN 0562	
	2	3/0	1 x 75 cm	Natural	PN 0572	
HRF: ½ circle, flattened body needle, taper point						
	0.7	6/0	1 x 45 cm	Natural	PN 9251	
HS: ½ circle, reverse cutting needle						
	2	3/0	1 x 75 cm	Natural	PN 0424	
DS: 3/8 circle, reverse cutting needle						
	0.7	6/0	1 x 45 cm	Natural	PN 1201	
	1	5/0	1 x 45 cm	Natural	PN 1202	
	1.5	4/0	1 x 45 cm	Natural	PN 1206	
	2	3/0	1 x 45 cm	Natural	PN 1207	
	1	5/0	1 x 75 cm	Natural	PN 1305	
	1.5	4/0	1 x 45 cm	Natural	PN 1215	
	1.5	4/0	1 x 45 cm	Natural	PN 1216	
	2	3/0	1 x 45 cm	Natural	PN 1217	
	2	4/0	1 x 75 cm	Natural	PN 1211	
	2	3/0	1 x 75 cm	Natural	PN 1212	
	3	2/0	1 x 75 cm	Natural	PN 1213	
	2	3/0	1 x 45 cm	Natural	PN 1332	
	2	3/0	1 x 75 cm	Natural	PN 1232	
	3	2/0	1 x 75 cm	Natural	PN 1233	
	3	2/0	1 x 75 cm	Natural	PN 1334	
	3	2/0	1 x 75 cm	Natural	PN 1243	
	3.5	0	1 x 75 cm	Natural	PN 1244	
	3.5	0	1 x 75 cm	Natural	PN 1245	

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CHIRLAC braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DSM: 3/8 circle, reverse cutting needle - micropoint						
 DSM 12	0.7	6/0	1 x 45 cm	Natural	PN 0201	Advanced cutting needle
	1	5/0	1 x 45 cm	Natural	PN 0202	
	1.5	4/0	1 x 45 cm	Natural	PN 0203	
 DSM 15	1	5/0	1 x 45 cm	Natural	PN 0206	Advanced cutting needle
	1.5	4/0	1 x 45 cm	Natural	PN 0207	
	2	3/0	1 x 45 cm	Natural	PN 0208	
 DSM 19	1.5	4/0	1 x 45 cm	Natural	PN 0216	Advanced cutting needle
	2	3/0	1 x 45 cm	Natural	PN 0217	
 DSM 19	1.5	4/0	1 x 75 cm	Natural	PN 0212	
	2	3/0	1 x 75 cm	Natural	PN 0213	
 DSM 25	2	3/0	1 x 75 cm	Natural	PN 0223	Advanced cutting needle
	3	2/0	1 x 75 cm	Natural	PN 0224	
DSMC: 3/8 circle, conventional cutting needle - micropoint						
 DSMC 16	1.5	4/0	1 x 45 cm	Natural	PN 8207	Advanced cutting needle

UK03
118



Absorbable - Chirlac braided

Polydiox

Polydiox

monofilament

Polydiox

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POLYDOX monofilament

POLYDOX monofilament is a long-term absorbable, synthetic suture made of polydioxanone. The suture offers good handling combined with great strength due to its slow degradation profile.

Polydox monofilament is ideal for all indications, where an extended wound support of more than 4 weeks is desirable. The threads are available in violet and natural.

The suture is very flexible, pliable and easy to knot. In tissue, the thread can cause a slight initial inflammatory reaction.



Indication: General soft tissue approximation, Orthopaedics (e.g. Joint capsule, Tendons), Fascia Closure, Urology, Gynaecology and Plastic surgery.

Contraindication: Polydox monofilament should not be used where prolonged approximation of tissues under stress is required.

Sizes: 7/0 to 4 USP

Structure: Monofilament













Absorption method: Hydrolysis

Strength Retention Profile: LONG-TERM HEALING (90 - 98 days)









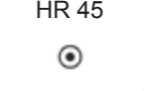

1 Day	100%
45 Days	50%

Mass Absorption profile: 180 - 240 days









POLYDOX monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 10 	0.7	6/0	1 x 75 cm	Violet	DX 0246	
	1	5/0	1 x 75 cm	Violet	DX 0247	
HR 13 	1	5/0	1 x 45 cm	Violet	DX 0248	
	0.7	6/0	1 x 75 cm	Violet	DX 0249	
	1	5/0	1 x 75 cm	Violet	DX 0250	
	1.5	4/0	1 x 75 cm	Violet	DX 0251	
2 x HR 13 	1	5/0	1 x 75 cm	Violet	DX 5245	
HR 17 	1	5/0	1 x 75 cm	Violet	DX 0254	
HR 18 	1	5/0	1 x 75 cm	Violet	DX 0257	
	1.5	4/0	1 x 75 cm	Violet	DX 0258	
	2	3/0	1 x 75 cm	Violet	DX 0259	
2 x HR 18 	1	5/0	1 x 75 cm	Violet	DX 5250	
	1.5	4/0	1 x 90 cm	Violet	DX 5251	
HR 20 	1	5/0	1 x 75 cm	Violet	DX 0360	
	1.5	4/0	1 x 75 cm	Violet	DX 0256	
HR 22 	1.5	4/0	1 x 75 cm	Violet	DX 0261	
	2	3/0	1 x 75 cm	Violet	DX 0262	
	3	2/0	1 x 75 cm	Violet	DX 0263	
2 x HR 22 	1.5	4/0	1 x 75 cm	Violet	DX 5261	
	2	3/0	1 x 75 cm	Violet	DX 5262	
2 x HR 22 	2	3/0	1 x 90 cm	Violet	DX 5264	
HR 26 	2	3/0	1 x 75 cm	Violet	DX 0366	
	3	2/0	1 x 75 cm	Violet	DX 0365	
2 x HR 26 	3	2/0	1 x 75 cm	Violet	DX 5269	
	1.5	4/0	1 x 90 cm	Violet	DX 5271	
	2	3/0	1 x 90 cm	Violet	DX 5270	






POLYDOX monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 27 	1.5	4/0	1 x 75 cm	Violet	DX 0265	
	2	3/0	1 x 75 cm	Violet	DX 0266	
	3	2/0	1 x 75 cm	Violet	DX 0267	
	3.5	0	1 x 75 cm	Violet	DX 0268	
	4	1	1 x 75 cm	Violet	DX 0369	
2 x HR 27 	1.5	4/0	1 x 75 cm	Violet	DX 5265	
	2	3/0	1 x 75 cm	Violet	DX 5266	
	3	2/0	1 x 75 cm	Violet	DX 5267	
2 x HR 27 	1.5	4/0	1 x 90 cm	Violet	DX 5295	
	2	3/0	1 x 120 cm	Violet	DX 5297	
HR 30 	1.5	4/0	1 x 75 cm	Violet	DX 0269	
	2	3/0	1 x 75 cm	Violet	DX 0270	
	3	2/0	1 x 75 cm	Violet	DX 0271	
	3.5	0	1 x 75 cm	Violet	DX 0272	
	4	1	1 x 75 cm	Violet	DX 0273	
2 x HR 30 	2	3/0	1 x 90 cm	Violet	DX 5275	
HR 37 	2	3/0	1 x 75 cm	Violet	DX 0264	
	3.5	0	1 x 75 cm	Violet	DX 0356	
HR 40 	3	2/0	1 x 75 cm	Violet	DX 0275	
	3.5	0	1 x 75 cm	Violet	DX 0276	
	4	1	1 x 75 cm	Violet	DX 0277	
HR 40 	3	2/0	1 x 90 cm	Violet	DX 0375	
	4	1	1 x 90 cm	Violet	DX 0377	
HR 40 	4	1	1 x 150 cm	Violet	DX 0279	
HR 45 	5	2	1 x 90 cm	Violet	DX 0378	

POLYDOX monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 50 	4	1	1 x 90 cm	Violet	DX 0380	
HR 65 	4	1	1 x 150 cm	Violet	DX 4547	Loop
	4	1	1 x 250 cm	Violet	DX 4546	Loop
HR s: ½ circle, round body needle - slim						
HR s 18 	1.5	4/0	1 x 75 cm	Violet	DX 1256	Slim needle
HR s 22 	2	3/0	1 x 75 cm	Violet	DX 1262	Slim needle
HR s 27 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	DX 1272 DX 1273	Slim needle
HRX: ½ circle, round body needle - extra strong						
HRX 27 	3 3.5 4	2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	DX 0430 DX 0431 DX 0432	
HRX 35 	3.5 4	0 1	1 x 75 cm 1 x 75 cm	Violet Violet	DX 0281 DX 0282	
	3.5	0	1 x 90 cm	Violet	DX 0381	
HRX 37 	4	1	1 x 90 cm	Violet	DX 0384	

POLYDOX monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						
	3.5	0	1 x 75 cm	Violet	DX 0285	
HRX 40 	3.5 4 5	0 1 2	1 x 90 cm 1 x 90 cm 1 x 90 cm	Violet Violet Violet	DX 0385 DX 0386 DX 0387	
	3.5 4	0 1	1 x 150 cm 1 x 150 cm	Violet Violet	DX 4035 DX 4040	Loop Loop
	4	1	1 x 240 cm	Violet	DX 4024	Loop
HRX 45 	4 5	1 2	1 x 90 cm 1 x 90 cm	Violet Violet	DX 0390 DX 0391	
HRX 48 	3.5	0	1 x 90 cm	Violet	DX 0400	
	3.5 4	0 1	1 x 150 cm 1 x 150 cm	Violet Violet	DX 4135 DX 4140	Loop Loop
	3.5 4 5	0 1 2	1 x 90 cm 1 x 90 cm 1 x 90 cm	Violet Violet Violet	DX 0394 DX 0395 DX 0396	
HRX 50 	3.5 3.5 4 5	0 0 1 2	1 x 150 cm 1 x 150 cm 1 x 150 cm 1 x 150 cm	Violet Violet Violet Violet	DX 1392 DX 4535 DX 4540 DX 4550	Loop Loop Loop Loop
	4	1	1 x 200 cm	Violet	DX 4542	Loop
HRX 70 	4	1	1 x 150 cm	Violet	DX 4543	Loop








UK03
124

UK03
125











Absorbable -

Absorbable - Polydox monofilament

POLYDOX monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRT: ½ circle, round body needle - tapercut						
HRT 25 	2	3/0	1 x 75 cm	Violet	DX 0581	
HRT 26 	3	2/0	1 x 75 cm	Violet	DX 0572	
HRT 37 	4	1	1 x 90 cm	Violet	DX 0599	
HRT 48 	4	1	1 x 90 cm	Violet	DX 0608	
HRTX: ½ circle, round body needle – tapercut, extra strong						
HRTX 40 	4	1	1 x 90 cm	Violet	DX 0610	
HRF: ½ circle, flattened body needle, taper point						
HRF 26 	2 3 3.5	3/0 2/0 0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	DX 9266 DX 9267 DX 9268	
HRF 31 	3	2/0	1 x 75 cm	Violet	DX 9271	

POLYDOX monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DR: 3/8 circle, round body needle						
2 x DR 10 	0.7	6/0	1 x 75 cm	Violet	DX 1120	
DR 12 	1 1.5	5/0 4/0	1 x 75 cm 1 x 75 cm	Violet Violet	DX 0120 DX 0121	
DR 17 	1.5	4/0	1 x 75 cm	Violet	DX 0132	
DR 20 	1.5 3	4/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	DX 0141 DX 0143	
DRT: 3/8 circle, round body needle - tapercut						
DRT 13 	1	5/0	1 x 75 cm	Violet	DX 0521	
FR: 5/8 circle, round body needle						
2 x FR 27 	3	2/0	1 x 75 cm	Violet	DX 5367	
FR 65 	3.5	0	1 x 150 cm	Violet	DX 4635	Loop
GR: Straight, round body needle						
2 x GR 60 	2	3/0	1 x 75 cm	Violet	DX 5396	
KR: Ski, round body needle						
KR 27 	2	3/0	1 x 40 cm	Violet	DX 4630	Loop
JRT: Hook shaped, round body needle - tapercut						
JRT 30 	4	1	1 x 75 cm	Violet	DX 0694	









UK03
126

Absorbable - Polydox monofilament









UK03
127

Absorbable - Polydox monofilament

POLYDOX monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HS: ½ circle, reverse cutting needle						
HS 18 	1.5	4/0	1 x 75 cm	Violet	DX 0155	
HS 21 	2	3/0	1 x 75 cm	Violet	DX 0166	
HS 22 	2 3	3/0 2/0	1 x 45 cm 1 x 45 cm	Violet Violet	DX 0167 DX 0170	
HS 27 	3	2/0	1 x 75 cm	Violet	DX 0168	
HS 30 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Violet Violet	DX 0171 DX 0172	
HS 37 	3 3.5 4	2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	DX 0177 DX 0178 DX 0179	
HS 40 	3.5	0	1 x 90 cm	Violet	DX 1178	
HS 48 	4	1	1 x 90 cm	Violet	DX 0184	

POLYDOX monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
DS 15 	1	5/0	1 x 45 cm	Violet	DX 0190	
DS 16 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	DX 0196 DX 0197	
DS 19 	1 1.5 2	5/0 4/0 3/0	1 x 45 cm 1 x 45 cm 1 x 45 cm	Violet Violet Violet	DX 0210 DX 0211 DX 0212	
DS 25 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	DX 0215 DX 0216	
DS 27 	2 3	3/0 2/0	1 x 45 cm 1 x 45 cm	Violet Violet	DX 0222 DX 0223	
DS 30 	2 3 3.5 4	3/0 2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet Violet	DX 0227 DX 0228 DX 0229 DX 0230	
DS 37 	3 3.5 4	2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm	Violet Violet Violet	DX 0232 DX 0234 DX 0235	
DSC: 3/8 circle, conventional cutting needle						
DSC 25 	3	2/0	1 x 75 cm	Violet	DX 8228	





UK03
128

Absorbable - Polydox monofilament

UK03
129

Absorbable - Polydox monofilament

POLYDOX monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DSM: 3/8 circle, reverse cutting needle - micropoint						
 DSM 12	0.7 1	6/0 5/0	1 x 45 cm 1 x 45 cm	Violet Violet	DX 0201 DX 0202	Advanced cutting needle
 DSM 15	1.5	4/0	1 x 45 cm	Violet	DX 0206	Advanced cutting needle
 DSM 19	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Violet Violet	DX 0207 DX 0208	Advanced cutting needle
GS: Straight, reverse cutting needle						
 2 x GS 65	2	3/0	1 x 75 cm	Violet	DX 3242	
Minimal invasive surgery						
	3.5 4	0 1	1 x 70 cm 1 x 70 cm	Violet Violet	MS 0134 MS 0135	Loop Loop

UK03
130

le - Polydox monofilament
Abso

Non-absorbable

Chiraflon monofilament

Chiralen monofilament

Silon monofilament

Tervalon braided

Silon braided

Orsilon braided

Silk braided

Steel Wire

Non-absorbable

Non-absorbable

Chiraflon monofilament

Chiraflon

chiraflon

Chiraflon

CHIRAFLON monofilament

CHIRAFLON monofilament is a non-absorbable suture made of PVDF (similar to teflon). Physiologically this thread is completely inert.

Chiraflon monofilament offers optimal smoothness and superior knotting properties. The thread is characterised by its high tensile strength. No splitting occurs even under considerable strain.



Indication: All surgical specialities, especially Orthopaedic, Traumatology (tendons), Plastic and Ophthalmic surgery.

Contraindication: Chiraflon monofilament must not penetrate into the inner parts of the digestive and urinary tracts.

Chemical Composition: Polyvinylidene Fluoride (PVDF)











Sizes: 8/0 to 3 USP

Structure: Monofilament











Absorption method: Non-absorbable

Colour: Blue





CHIRAFLON monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 13 	1	5/0	1 x 45 cm	Blue	TF 6202	
HR 18 	1	5/0	1 x 45 cm	Blue	TF 6211	
	1.5	4/0	1 x 45 cm	Blue	TF 6214	
2 x HR 18 	1	5/0	1 x 75 cm	Blue	TF 6212	
	1.5	4/0	1 x 75 cm	Blue	TF 6213	
HR 27 	3	2/0	1 x 75 cm	Blue	TF 6221	
HRX: ½ circle, round body needle - extra strong						
HRX 40 	3.5	0	1 x 90 cm	Blue	TF 6251	
HRX 50 	4	1	1 x 150 cm	Blue	TF 4540	Loop
	3.5	0	1 x 200 cm	Blue	TF 5035	Loop
4	1	1 x 200 cm	Blue	TF 5040	Loop	
HRT: ½ circle, round body needle - tapercut						
HRT 13 	0.7	6/0	1 x 45 cm	Blue	TF 6421	
2 x HRT 17 	1	5/0	1 x 75 cm	Blue	TF 6332	
DRT: 3/8 circle, round body needle - tapercut						
2 x DRT 10 	0.7	6/0	1 x 75 cm	Blue	TF 6301	
2 x DRT 13 	0.7	6/0	1 x 75 cm	Blue	TF 6311	
	1	5/0	1 x 75 cm	Blue	TF 6312	

CHIRAFLON monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
GR: Straight, round body needle						
GR 20 	1.5	4/0	1 x 45 cm	Blue	TF 6411	
	2	3/0	1 x 45 cm	Blue	TF 6412	
GR 60 	2	3/0	1 x 75 cm	Blue	TF 6462	
DS: 3/8 circle, reverse cutting needle						
DS 12 	0.7	6/0	1 x 45 cm	Blue	TF 6101	
	1	5/0	1 x 45 cm	Blue	TF 6102	
DS 15 	1	5/0	1 x 45 cm	Blue	TF 6105	
	1.5	4/0	1 x 45 cm	Blue	TF 6106	
DS 19 	1	5/0	1 x 45 cm	Blue	TF 6110	
	1.5	4/0	1 x 45 cm	Blue	TF 6115	
	2	3/0	1 x 45 cm	Blue	TF 6116	
DS 19 	3	2/0	1 x 45 cm	Blue	TF 6117	
	1.5	4/0	1 x 75 cm	Blue	TF 6111	
	2	3/0	1 x 75 cm	Blue	TF 6112	
3	2/0	1 x 75 cm	Blue	TF 6113		
DS 25 	2	3/0	1 x 45 cm	Blue	TF 6126	
	3.5	0	1 x 45 cm	Blue	TF 6128	
DS 25 	2	3/0	1 x 75 cm	Blue	TF 6122	
	3	2/0	1 x 75 cm	Blue	TF 6123	
DS 30 	3	2/0	1 x 75 cm	Blue	TF 6131	
	3.5	0	1 x 75 cm	Blue	TF 6132	
	4	1	1 x 75 cm	Blue	TF 6133	
DS 38 	2	3/0	1 x 75 cm	Blue	TF 6140	

CHIRAFLON monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DSM: 3/8 circle, reverse cutting needle - micropoint						
 DSM 12	0.7	6/0	1 x 45 cm	Blue	TF 6001	Advanced cutting needle
	1	5/0	1 x 45 cm	Blue	TF 6002	
	1.5	4/0	1 x 45 cm	Blue	TF 6003	
 DSM 15	1	5/0	1 x 45 cm	Blue	TF 6005	Advanced cutting needle
	1.5	4/0	1 x 45 cm	Blue	TF 6006	
 DSM 19	1	5/0	1 x 75 cm	Blue	TF 6008	Advanced cutting needle
	1.5	4/0	1 x 75 cm	Blue	TF 6011	
	2	3/0	1 x 75 cm	Blue	TF 6012	Advanced cutting needle
GS: Straight, reverse cutting needle						
 GS 60	3	2/0	1 x 75 cm	Blue	TF 6167	

UK03
138



Non-absorbable - Chiraflon monofilament



CHIRALEN monofilament

CHIRALEN monofilament is a non-absorbable suture made of polypropylene. The thread is hydrophobic and is not subject to degradation by tissue enzymes.

Chiralen monofilament has a smooth, non-porous surface, that guarantees a clean and smooth passage through the tissue, optimal elasticity, good elongation properties and high visibility. In tissues, it can cause a minimal acute inflammatory reaction.



Indication: All surgical specialities, especially Cardiovascular, Plastic, Reconstructive, Ophthalmic, Orthopaedic and Traumatology (e.g. tendons).

Contraindication: Chiralen monofilament must not penetrate into the inner parts of the digestive and urinary tracts.

Chemical Composition: Polypropylene











Sizes: 10/0 to 2 USP

Structure: Monofilament








Absorption method: Non-absorbable

Colour: Blue and Black









CHIRALEN monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
2 x HR 8 	0.5	7/0	1 x 45 cm	Blue	PP 5205	
HR 10 	0.7	6/0	1 x 45 cm	Blue	PP 5142	
	0.7 1	6/0 5/0	1 x 45 cm 1 x 45 cm	Blue Blue	PP 5210 PP 5211	
2 x HR 10 	1	5/0	1 x 60 cm	Blue	PP 6211	
	0.5	7/0	1 x 75 cm	Blue	PP 5209	
HR 13 	0.7 1	6/0 5/0	1 x 75 cm 1 x 75 cm	Blue Blue	PP 5145 PP 5146	
	1	5/0	1 x 45 cm	Blue	PP 5220	
2 x HR 13 	0.7 1 1.5	6/0 5/0 4/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Blue Blue Blue	PP 5219 PP 5222 PP 5223	
2 x HR 15 	1.5	4/0	1 x 90 cm	Blue	PP 5228	
HR 17 	1	5/0	1 x 90 cm	Blue	PP 5558	
2 x HR 17 	1	5/0	1 x 75 cm	Blue	PP 5236	
	1 1.5	5/0 4/0	1 x 90 cm 1 x 90 cm	Blue Blue	PP 5248 PP 5244	
HR 18 	1 1.5 2	5/0 4/0 3/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Blue Blue Blue	PP 5152 PP 5153 PP 5154	
2 x HR 18 	1 1.5 2	5/0 4/0 3/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Blue Blue Blue	PP 5233 PP 5234 PP 5235	
	1 1.5 2	5/0 4/0 3/0	1 x 90 cm 1 x 90 cm 1 x 90 cm	Blue Blue Blue	PP 5237 PP 5238 PP 5239	


CHIRALEN monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
2 x HR 20 	1.5	4/0	1 x 90 cm	Blue	PP 5251	
	1 1.5 2 3	5/0 4/0 3/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Blue Blue Blue Blue	PP 5158 PP 5157 PP 5156 PP 5155	
HR 22 	1.5	4/0	1 x 90 cm	Blue	PP 5557	
	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Blue Blue	PP 5249 PP 5250	
2 x HR 22 	1.5 2	4/0 3/0	1 x 90 cm 1 x 90 cm	Blue Blue	PP 5246 PP 5247	
HR 25 	3	2/0	1 x 90 cm	Blue	PP 5559	
	2 3.5	3/0 0	1 x 75 cm 1 x 75 cm	Blue Blue	PP 5563 PP 5562	
HR 26 	3	2/0	1 x 90 cm	Blue	PP 5564	
	1.5 2	4/0 3/0	1 x 90 cm 1 x 90 cm	Blue Blue	PP 5351 PP 5257	
2 x HR 26 	2	3/0	1 x 120 cm	Blue	PP 5362	
2 x HR 26 black 	1.5	4/0	1 x 90 cm	Blue	PP 5258	Black needles

CHIRALEN monofilament








Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 27 	2	3/0	1 x 75 cm	Blue	PP 5163	
	3	2/0	1 x 75 cm	Blue	PP 5164	
	3.5	0	1 x 90 cm	Blue	PP 5561	
2 x HR 27 	1.5	4/0	1 x 90 cm	Blue	PP 5266	
	2	3/0	1 x 90 cm	Blue	PP 5267	
	3	2/0	1 x 90 cm	Blue	PP 5255	
	2	3/0	1 x 120 cm	Blue	PP 5354	
	3	2/0	1 x 120 cm	Blue	PP 5355	
HR 30 	3	2/0	1 x 75 cm	Blue	PP 5165	
	3.5	0	1 x 75 cm	Blue	PP 5166	
	4	1	1 x 75 cm	Blue	PP 5167	
	3	2/0	1 x 90 cm	Blue	PP 5261	
	3.5	0	1 x 100 cm	Blue	PP 5169	
2 x HR 30 	3	2/0	1 x 90 cm	Blue	PP 5271	
HR 37 	4	1	1 x 75 cm	Blue	PP 5181	
HR 40 	3	2/0	1 x 75 cm	Blue	PP 5185	
	4	1	1 x 100 cm	Blue	PP 5968	
HR s: ½ circle, round body needle - slim						
2 x HR s 18 Black 	1	5/0	1 x 75 cm	Blue	PP 5965	Slim black needles
2 x HR s 22 	1.5	4/0	1 x 75 cm	Blue	PP 5975	Slim needles

CHIRALEN monofilament












Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						
HRX 37 	3.5	0	1 x 75 cm	Blue	PP 5373	
	4	1	1 x 75 cm	Blue	PP 5372	
HRX 40 	4	1	1 x 90 cm	Blue	PP 5386	
2 x HRX 50 	3	2/0	1 x 120 cm	Blue	PP 5491	

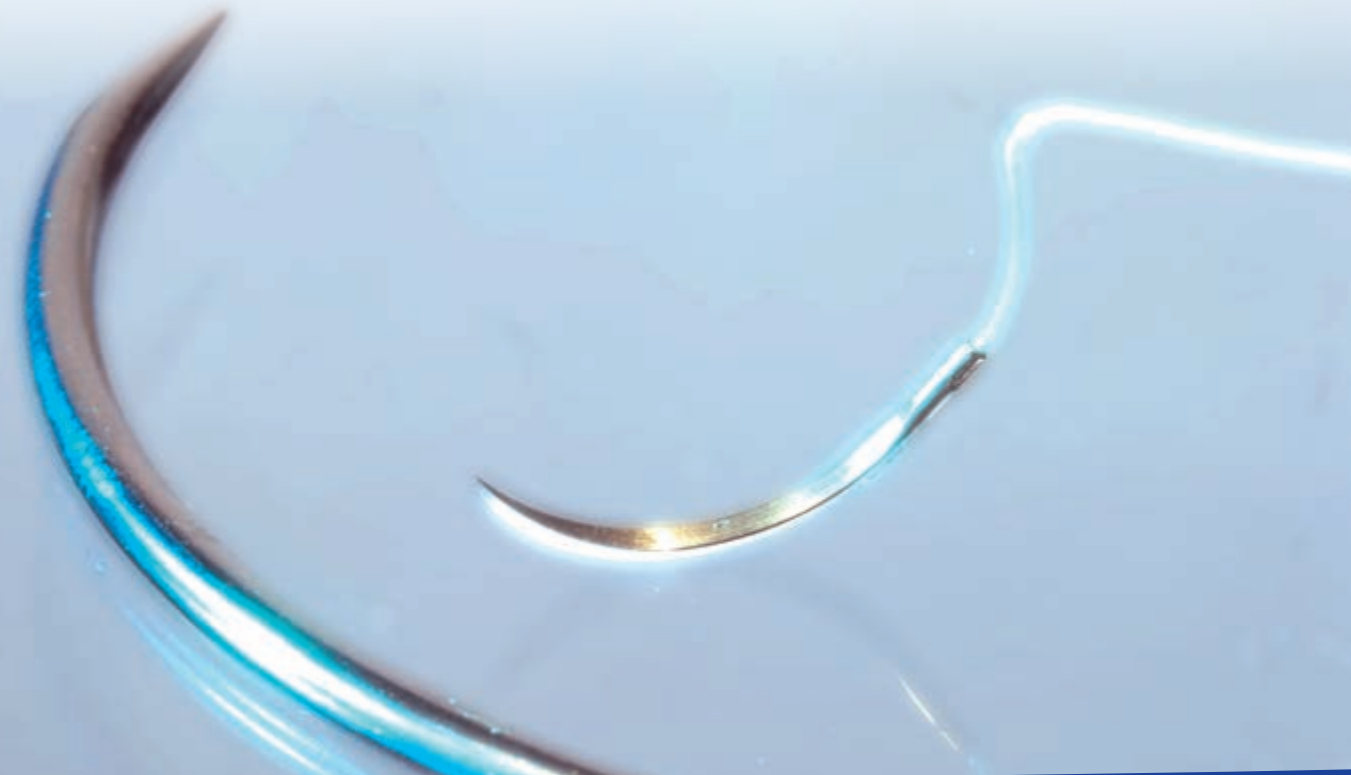


CHIRALEN monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRT: ½ circle, round body needle - tapercut						
2 x HRT 10 	0.5	7/0	1 x 60 cm	Blue	PP 5336	
HRT 11 	1	5/0	1 x 60 cm	Blue	PP 5421	
HRT 13 	1	5/0	1 x 75 cm	Blue	PP 5422	
2 x HRT 13 	0.7 1	6/0 5/0	1 x 75 cm 1 x 75 cm	Blue Blue	PP 5321 PP 5322	
HRT 17 	1.5	4/0	1 x 75 cm	Blue	PP 5433	
2 x HRT 17 	1	5/0	1 x 75 cm	Blue	PP 5332	
	1.5	4/0	1 x 75 cm	Blue	PP 5333	
	2	3/0	1 x 75 cm	Blue	PP 5334	
2 x HRT 17 	1	5/0	1 x 90 cm	Blue	PP 5932	
	1.5	4/0	1 x 90 cm	Blue	PP 5933	
	2	3/0	1 x 90 cm	Blue	PP 5934	

CHIRALEN monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRT: ½ circle, round body needle - tapercut						
HRT 25 	3	2/0	1 x 75 cm	Blue	PP 5445	
2 x HRT 25 	3	2/0	1 x 75 cm	Blue	PP 5345	
	1.5	4/0	1 x 90 cm	Blue	PP 5943	
	2	3/0	1 x 90 cm	Blue	PP 5944	
3	2/0	1 x 90 cm	Blue	PP 5945		
2 x HRT 27 	2	3/0	1 x 90 cm	Blue	PP 5952	
HRT 37 	3.5	0	1 x 75 cm	Blue	PP 5466	
DR: 3/8 circle, round body needle						
2 x DR 8 	0.4	8/0	1 x 75 cm	Blue	PP 5282	
2 x DR 9.3 	0.5	7/0	1 x 60 cm	Blue	PP 5921	
2 x DR 9.3 Black 	0.7	6/0	1 x 60 cm	Blue	PP 5920	Black needles
DR 10 	0.5	7/0	1 x 75 cm	Blue	PP 5212	
	0.7	6/0	1 x 75 cm	Blue	PP 5213	
2 x DR 10 	0.7	6/0	1 x 45 cm	Blue	PP 5215	
	0.5	7/0	1 x 60 cm	Blue	PP 5913	
	0.7	6/0	1 x 60 cm	Blue	PP 5915	
2 x DR 10 	0.7	6/0	1 x 75 cm	Blue	PP 5914	
	0.7	6/0	1 x 75 cm	Blue	PP 5413	
DR 12 	1.5	4/0	1 x 75 cm	Blue	PP 5415	



CHIRALEN monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DR: 3/8 circle, round body needle						
2 x DR 12 	0.5	7/0	1 x 60 cm	Blue	PP 5227	
	0.7	6/0	1 x 60 cm	Blue	PP 5229	
DR 13 	0.7	6/0	1 x 75 cm	Blue	PP 5224	
	1	5/0	1 x 75 cm	Blue	PP 5225	
DR 13 	0.7	6/0	1 x 75 cm	Blue	PP 5416	
2 x DR 13 	0.5	7/0	1 x 45 cm	Blue	PP 5404	
	0.7	6/0	1 x 60 cm	Blue	PP 5328	
	1	5/0	1 x 60 cm	Blue	PP 5403	
	0.7	6/0	1 x 75 cm	Blue	PP 5324	
2 x DR 15 	1	5/0	1 x 90 cm	Blue	PP 5331	
	1	5/0	1 x 75 cm	Blue	PP 5226	
DR 17 	1	5/0	1 x 75 cm	Blue	PP 5431	
DR 18 	1.5	4/0	1 x 90 cm	Blue	PP 5535	
2 x DR 18 	1	5/0	1 x 75 cm	Blue	PP 5923	
	1.5	4/0	1 x 75 cm	Blue	PP 5924	
2 x DR 18 	1.5	4/0	1 x 90 cm	Blue	PP 5928	
	1.5	4/0	1 x 90 cm	Blue	PP 5928	
2 x DR 30 	2	3/0	1 x 75 cm	Blue	PP 5426	

CHIRALEN monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DRT: 3/8 circle, round body needle - tapercut						
2 x DRT 10 	0.5	7/0	1 x 60 cm	Blue	PP 5298	
	0.7	6/0	1 x 75 cm	Blue	PP 5301	
2 x DRT 10 Black 	0.5	7/0	1 x 75 cm	Blue	PP 5902	Black needles
2 x DRT 11 	0.7	6/0	1 x 60 cm	Blue	PP 5296	
DRT 13 	0.7	6/0	1 x 75 cm	Blue	PP 5309	
	1	5/0	1 x 75 cm	Blue	PP 5310	
2 x DRT 13 	0.7	6/0	1 x 60 cm	Blue	PP 5911	
	0.7	6/0	1 x 75 cm	Blue	PP 5311	
2 x DRT 13 	1	5/0	1 x 75 cm	Blue	PP 5312	
	1	5/0	1 x 90 cm	Blue	PP 5314	
GR: Straight, round body needle						
GR 45 	3	2/0	1 x 45 cm	Blue	PP 5545	
	3	2/0	1 x 75 cm	Blue	PP 6245	
2 x GR 60 	3	2/0	1 x 100 cm	Blue	PP 5575	



CHIRALEN monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HS: ½ circle, reverse cutting needle						
2 x HS 25 	3	2/0	1 x 90 cm	Blue	PP 6445	
HS 40 	3.5	0	1 x 75 cm	Blue	PP 6845	
HS 50 	3.5	0	1 x 75 cm	Blue	PP 6855	
	4	1	1 x 90 cm	Blue	PP 6955	
DS: 3/8 circle, reverse cutting needle						
DS 12 	0.7 1	6/0 5/0	1 x 45 cm 1 x 45 cm	Blue Blue	PP 5101 PP 5102	
DS 15 	0.7	6/0	1 x 45 cm	Blue	PP 5105	
	1	5/0	1 x 45 cm	Blue	PP 5106	
	1.5	4/0	1 x 45 cm	Blue	PP 5107	
DS 19 	1	5/0	1 x 75 cm	Blue	PP 4108	
	1.5	4/0	1 x 75 cm	Blue	PP 4109	
	2	3/0	1 x 75 cm	Blue	PP 4110	
DS 19 	1	5/0	1 x 45 cm	Blue	PP 5509	
	1.5	4/0	1 x 45 cm	Blue	PP 5510	
	2	3/0	1 x 45 cm	Blue	PP 5511	
	3.5	0	1 x 75 cm	Blue	PP 5113	
DS 24 	2	3/0	1 x 90 cm	Blue	PP 5519	
DS 25 	1.5	4/0	1 x 45 cm	Blue	PP 5515	
	2	3/0	1 x 45 cm	Blue	PP 5516	
	3	2/0	1 x 45 cm	Blue	PP 5517	
	1.5	4/0	1 x 75 cm	Blue	PP 5115	
	2	3/0	1 x 75 cm	Blue	PP 5116	
	3	2/0	1 x 75 cm	Blue	PP 5117	
	3.5	0	1 x 75 cm	Blue	PP 5118	

CHIRALEN monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
DS 30 	2 3 3.5	3/0 2/0 0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Blue Blue Blue	PP 5120 PP 5121 PP 5122	
DS 38 	2 3 3.5 4	3/0 2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Blue Blue Blue Blue	PP 5130 PP 5131 PP 5132 PP 5133	
DS 40 	3	2/0	1 x 100 cm	Blue	PP 5139	
DSC: 3/8 circle, conventional cutting needle						
DSC 15 	0.7	6/0	1 x 45 cm	Blue	PP 8105	
DSC 26 	1.5	4/0	1 x 45 cm	Blue	PP 8515	
	2	3/0	1 x 45 cm	Blue	PP 8516	
DSC 90 	4	1	1 x 100 cm	Blue	PP 8033	







UK03
150

UK03
151

Non-absorb:

Non-absorbable - Chiralen monofilament

CHIRALEN monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DSM: 3/8 circle, reverse cutting needle - micropoint						
 DSM 12	0.5	7/0	1 x 45 cm	Blue	PP 5000	Advanced cutting needle
	0.7	6/0	1 x 45 cm	Blue	PP 5001	
	1	5/0	1 x 45 cm	Blue	PP 5002	
	1.5	4/0	1 x 45 cm	Blue	PP 5003	
 DSM 15	0.7	6/0	1 x 45 cm	Blue	PP 5005	Advanced cutting needle
	1	5/0	1 x 45 cm	Blue	PP 5006	
	1.5	4/0	1 x 45 cm	Blue	PP 5007	
 DSM 19	1	5/0	1 x 45 cm	Blue	PP 5009	Advanced cutting needle
	1.5	4/0	1 x 45 cm	Blue	PP 5010	
	2	3/0	1 x 45 cm	Blue	PP 5011	
	3	2/0	1 x 45 cm	Blue	PP 5012	
	1.5	4/0	1 x 75 cm	Blue	PP 5014	
	2	3/0	1 x 75 cm	Blue	PP 5015	
 DSM 25	2	3/0	1 x 45 cm	Blue	PP 5023	Advanced cutting needle
	3	2/0	1 x 45 cm	Blue	PP 5024	
	3.5	0	1 x 45 cm	Blue	PP 5025	
	2	3/0	1 x 75 cm	Blue	PP 5027	
	3	2/0	1 x 75 cm	Blue	PP 5028	
	DSMC: 3/8 circle, conventional cutting needle - micropoint					
 DSMC 16	0.7	6/0	1 x 45 cm	Blue	PP 8005	
GS: Straight, reverse cutting needle						
 GS 60	2	3/0	1 x 75 cm	Blue	PP 5140	
	3	2/0	1 x 75 cm	Blue	PP 5141	

UK03
152



Non-absorbable - Chiralen monofilament



Silon

Silon monofilament

Silon monofilament

Silon

monofilament

Silon monofilament

SILON monofilament

SILON monofilament is a non-absorbable, synthetic suture made of polyamide, which has a smooth non-porous surface.

The thread is extremely useful for skin sutures and has a high tensile strength in knots, and knots tie down easily. The thread is available in blue and black.

Silon monofilament can cause a slight initial inflammatory tissue reaction.



Indication: Plastic and General surgery and wherever suturing the skin.

Contraindication: Silon monofilament should not be used when long-term mechanical support is required.

Chemical Composition: Polyamide 6

Sizes: 10/0 to 2 USP

Structure: Monofilament

Absorption method: Non-absorbable

Colour: Blue and Black



SILON monofilament blue ligatures

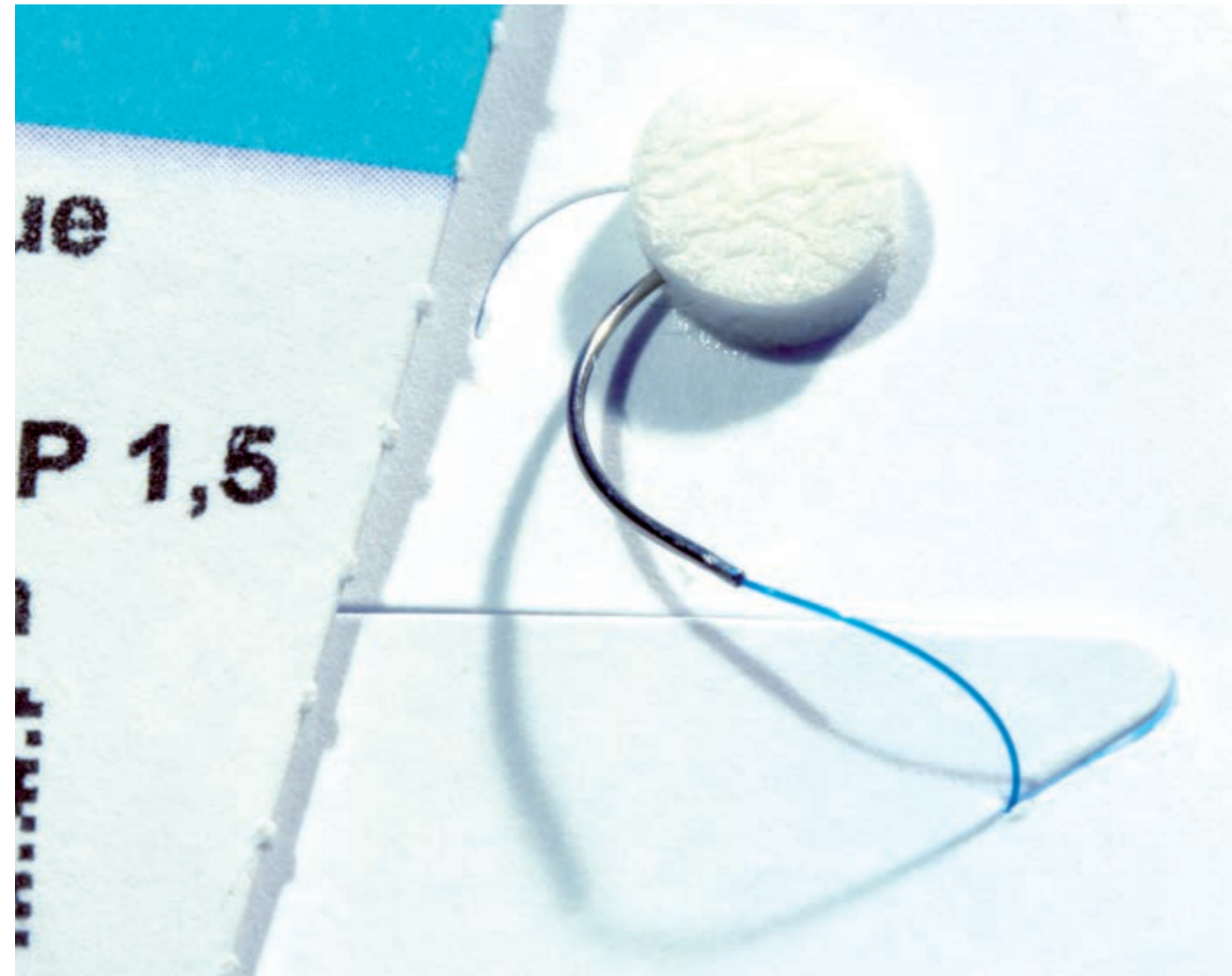


Pre-cut threads

EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	405
1.5	4/0	3 x 45 cm	406
2	3/0	3 x 45 cm	407
3	2/0	3 x 45 cm	408
1	5/0	10 x 45 cm	409
1.5	4/0	10 x 45 cm	410
2	3/0	10 x 45 cm	411
3	2/0	10 x 45 cm	412
1	5/0	5 x 75 cm	413
1.5	4/0	5 x 75 cm	414

Pre-cut threads












EP	USP	Length	Cat. No
2	3/0	5 x 75 cm	415
3	2/0	5 x 75 cm	416
2	3/0	2 x 100 cm	1485
3.5	0	2 x 100 cm	1487
1	5/0	1 x 150 cm	401
1.5	4/0	1 x 150 cm	402
2	3/0	1 x 150 cm	403
3	2/0	1 x 150 cm	404
3.5	0	1 x 150 cm	1405
4	1	1 x 150 cm	1406















SILON monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 10 	1	5/0	1 x 45 cm	Blue	SM 2453	
HR 13 	1.5	4/0	1 x 45 cm	Blue	4125	
	0.7	6/0	1 x 60 cm	Blue	4126	
HR 18 	1.5	4/0	1 x 75 cm	Blue	4104	
HR 22 	2	3/0	1 x 75 cm	Blue	4106	
HR 27 	3	2/0	1 x 75 cm	Blue	SM 4137	
HR 30 	3	2/0	1 x 75 cm	Blue	SM 4142	
HR 35 	3.5	0	1 x 75 cm	Blue	SM 4149	
HR 40 	4	1	1 x 75 cm	Blue	4152	
	3.5	0	1 x 100 cm	Blue	SM 4154	
HRX: ½ circle, round body needle - extra strong						
HRX 35 	3.5	0	1 x 75 cm	Blue	SM 4241	
HRX 40 	4	1	1 x 150 cm	Blue	SM 5033	Loop
HRX 45 	4	1	1 x 200 cm	Blue	SM 4540	Loop








SILON monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						
 HRX 48	4	1	1 x 150 cm	Blue	SM 5034	Loop
 HRX 50	4	1	1 x 200 cm	Blue	SM 5037	Loop
 HRX 50	3.5	0	1 x 150 cm	Blue	SM 5035	Loop
 HRX 50	4	1	1 x 200 cm	Blue	SM 5040	Loop
HRT: ½ circle, round body needle - tapercut						
 HRT 13	0.7 1 1.5	6/0 5/0 4/0	1 x 45 cm 1 x 45 cm 1 x 45 cm	Blue Blue Blue	SM 2552 SM 2553 SM 2554	
DR: 3/8 circle, round body needle						
 DR 8	0.5 1	7/0 5/0	1 x 45 cm 1 x 45 cm	Blue Blue	SM 2448 450	
 DR 10	1	5/0	1 x 45 cm	Blue	451	
 DR 15	1.5	4/0	1 x 45 cm	Blue	4024	
 DR 18	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Blue Blue	4003 4021	
 DR 21	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Blue Blue	SM 2325 SM 2326	
 DR 31	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Blue Blue	SM 2330 SM 2331	









SILON monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
GR: Straight, round body needle						
 2 x GR 60	3.5	0	1 x 90 cm	Blue	SM 2358	
HS: ½ circle, reverse cutting needle						
 HS 12	1	5/0	1 x 45 cm	Blue	SM 2305	
 HS 15	1	5/0	1 x 75 cm	Blue	SM 2306	
 HS 15	2	3/0	1 x 45 cm	Blue	SM 2308	
 HS 18	1.5	4/0	1 x 75 cm	Blue	4420	
 HS 25	2	3/0	1 x 75 cm	Blue	SM 2311	
 HS 40	4	1	1 x 75 cm	Blue	SM 2413	
 HS 40	3.5	0	1 x 100 cm	Blue	SM 3382	
DS: 3/8 circle, reverse cutting needle						
 DS 10	0.5 0.7	7/0 6/0	1 x 45 cm 1 x 45 cm	Blue Blue	SM 2251 SM 2252	
 DS 11	0.5	7/0	1 x 45 cm	Blue	SM 2254	
 DS 12	0.5 0.7 1 1.5	7/0 6/0 5/0 4/0	1 x 45 cm 1 x 45 cm 1 x 45 cm 1 x 45 cm	Blue Blue Blue Blue	4328 SM 2255 SM 2256 SM 2257	
 DS 13	1	5/0	1 x 75 cm	Blue	SM 2248	

SILON monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
	0.7	6/0	1 x 45 cm	Blue	SM 2260	
	1	5/0	1 x 45 cm	Blue	SM 2261	
	1.5	4/0	1 x 45 cm	Blue	SM 2262	
	2	3/0	1 x 45 cm	Blue	SM 2263	
	1.5	4/0	1 x 75 cm	Blue	SM 2362	
	0.7	6/0	1 x 45 cm	Blue	SM 2460	
	0.7	6/0	1 x 60 cm	Blue	SM 2459	
	0.7	6/0	1 x 45 cm	Blue	4332	
	1	5/0	1 x 45 cm	Blue	SM 2266	
	1.5	4/0	1 x 45 cm	Blue	SM 2367	
	2	3/0	1 x 45 cm	Blue	SM 2368	
	3	2/0	1 x 45 cm	Blue	SM 2369	
	1	5/0	1 x 75 cm	Blue	SM 2366	
	1.5	4/0	1 x 75 cm	Blue	SM 2267	
	2	3/0	1 x 75 cm	Blue	SM 2268	
	3	2/0	1 x 75 cm	Blue	SM 2269	
	1	5/0	1 x 90 cm	Blue	SM 2466	
	1.5	4/0	1 x 75 cm	Blue	SM 2471	
	1.5	4/0	1 x 75 cm	Blue	SM 3277	
	2	3/0	1 x 75 cm	Blue	SM 3276	
	3	2/0	1 x 75 cm	Blue	SM 3275	
	1.5	4/0	1 x 45 cm	Blue	SM 2372	
	2	3/0	1 x 45 cm	Blue	SM 2373	
	3	2/0	1 x 45 cm	Blue	SM 2374	
	1	5/0	1 x 75 cm	Blue	SM 2375	
	1.5	4/0	1 x 75 cm	Blue	SM 2273	
	2	3/0	1 x 75 cm	Blue	SM 2270	
	3	2/0	1 x 75 cm	Blue	SM 2271	
	3.5	0	1 x 75 cm	Blue	SM 2272	
	4	1	1 x 75 cm	Blue	SM 2274	
	2	3/0	1 x 90 cm	Blue	SM 3272	
3	2/0	1 x 90 cm	Blue	SM 3271		

SILON monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
	3	2/0	1 x 45 cm	Blue	SM 2384	
	3.5	0	1 x 45 cm	Blue	SM 2385	
	1.5	4/0	1 x 75 cm	Blue	SM 4324	
	2	3/0	1 x 75 cm	Blue	4325	
	3	2/0	1 x 75 cm	Blue	SM 2284	
	3.5	0	1 x 75 cm	Blue	SM 2285	
	2	3/0	1 x 90 cm	Blue	SM 4325	
	3	2/0	1 x 90 cm	Blue	SM 4326	
	4	1	1 x 90 cm	Blue	SM 4327	
	3.5	0	1 x 75 cm	Blue	SM 2386	
	2	3/0	1 x 75 cm	Blue	SM 2290	
	3	2/0	1 x 75 cm	Blue	SM 2291	
	3.5	0	1 x 75 cm	Blue	SM 2292	
	4	1	1 x 75 cm	Blue	SM 2293	
	3	2/0	1 x 90 cm	Blue	SM 3291	
	3	2/0	1 x 90 cm	Blue	SM 2497	
	3.5	0	1 x 90 cm	Blue	SM 2495	
	4	1	1 x 100 cm	Blue	SM 2693	
	3	2/0	1 x 100 cm	Blue	SM 3388	
	4	1	1 x 100 cm	Blue	SM 3390	
	4	1	1 x 100 cm	Blue	SM 3395	

SILON monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
DSC: 3/8 circle, conventional cutting needle						

DSC 90



3
3.5

2/0
0

1 x 100 cm
1 x 100 cm

Blue
Blue

SM 8397
SM 8394

DSM: 3/8 circle, reverse cutting needle - micropoint						
---	--	--	--	--	--	--

DSM 12



0.7
1
1.5

6/0
5/0
4/0

1 x 45 cm
1 x 45 cm
1 x 45 cm

Blue
Blue
Blue

SM 2055
SM 2056
SM 2057

Advanced
cutting
needle

1

5/0

1 x 75 cm

Blue

SM 2053

DSM 15



1
1.5
2

5/0
4/0
3/0

1 x 45 cm
1 x 45 cm
1 x 45 cm

Blue
Blue
Blue

SM 2060
SM 2061
SM 2062

Advanced
cutting
needle

DSM 19



1
1.5
2

5/0
4/0
3/0

1 x 45 cm
1 x 45 cm
1 x 45 cm

Blue
Blue
Blue

SM 2064
SM 2065
SM 2066

Advanced
cutting
needle

1

5/0

1 x 75 cm

Blue

SM 2166

2

3/0

1 x 75 cm

Blue

SM 2168

DSM 25



1.5
2

4/0
3/0

1 x 45 cm
1 x 45 cm

Blue
Blue

SM 2073
SM 2074

Advanced
cutting
needle

2

3/0

1 x 75 cm

Blue

SM 2078

3

2/0

1 x 75 cm

Blue

SM 2079

DSM 40



3

2/0

1 x 75 cm

Blue

SM 2090

Advanced
cutting
needle

DSMC: 3/8 circle, conventional cutting needle - micropoint						
---	--	--	--	--	--	--

DSMC 19



1

5/0

1 x 100 cm

Blue

SM 8081

Advanced
cutting
needle

DSMC 20



1.5

4/0

1 x 45 cm

Blue

SM 8065

Advanced
cutting
needle

SILON monofilament

Needle	EP	USP	Length	Colour	Cat. No	Other information
GS: Straight, reverse cutting needle						

GS 50



3

2/0

1 x 90 cm

Blue

SM 3295

GS 60



2

3/0

1 x 75 cm

Blue

SM 3283

3

2/0

1 x 75 cm

Blue

SM 3284

3

2/0

1 x 90 cm

Blue

SM 3294

GS 75



3.5

0

1 x 75 cm

Blue

SM 3299

Minimal invasive surgery						
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3.5

0

1 x 70 cm

Blue

MS 1124

Loop





Tervalon
**Tervalon
braided**

tervalon

Tervalon

tervalon

TERVALON braided

TERVALON braided is a polyester suture material with a special coating, which guarantees effortless tissue passage and excellent knot-tying characteristics.

The extreme tensile strength and tissue compatibility are further positive characteristics of Tervalon braided, which is used in all areas of surgery due to its favourable features.

Tervalon braided is applicable wherever non-absorbability and low-friction passage through tissues are needed.

The suture elicits a minimal inflammatory reaction in tissues, which is followed by gradual encapsulation of the suture by fibrous connective tissue.



Indication: Whenever non-absorbability and low friction passage through tissues are needed. It is especially useful in suturing Tendons, Schwann sheaths and skin in Plastic and Reconstructive surgery.

Contraindication: Tervalon braided must not penetrate into the inner parts of the digestive and urinary tracts.

Chemical Composition: Polyester

Sizes: 6/0 to 6 USP

Structure: Multifilament

Absorption method: Non-absorbable

Colour: Green and White

TERVALON braided green ligatures

Pre-cut threads

EP	USP	Length	Cat. No
2	3/0	10 x 30 cm	TG 4064
1	5/0	3 x 45 cm	TG 4032
1.5	4/0	3 x 45 cm	TG 4033
2	3/0	3 x 45 cm	TG 4034
3	2/0	3 x 45 cm	TG 4035
3.5	0	3 x 45 cm	TG 4036
4	1	3 x 45 cm	TG 4037
5	2	3 x 45 cm	TG 4038
1.5	4/0	6 x 45 cm	TG 4043
2	3/0	6 x 45 cm	TG 4044
3	2/0	6 x 45 cm	TG 4045
3.5	0	6 x 45 cm	TG 4046
4	1	6 x 45 cm	TG 4047
5	2	6 x 45 cm	TG 4048
1.5	4/0	10 x 45 cm	TG 4053
2	3/0	10 x 45 cm	TG 4054
3	2/0	10 x 45 cm	TG 4055
3.5	0	10 x 45 cm	TG 4056
4	1	10 x 45 cm	TG 4057
5	2	10 x 45 cm	TG 4058
3.5	0	15 x 45 cm	TG 4142
6	3 + 4	4 x 60 cm	TG 4099
2	3/0	13 x 60 cm	TG 4086
2	3/0	2 x 70 cm	TG 4014
3	2/0	2 x 70 cm	TG 4015
3.5	0	2 x 70 cm	TG 4016
4	1	2 x 70 cm	TG 4017
5	2	2 x 70 cm	TG 4018

Pre-cut threads

EP	USP	Length	Cat. No
1.5	4/0	5 x 70 cm	TG 4080
3	2/0	5 x 70 cm	TG 4082
4	1	5 x 70 cm	TG 4084
5	2	5 x 70 cm	TG 4085
3	2/0	10 x 70 cm	TG 3045
3.5	0	10 x 70 cm	TG 3046
2	3/0	6 x 75 cm	TG 3035
3.5	0	6 x 75 cm	TG 3037
4	1	6 x 75 cm	TG 3038
3.5	0	1 x 150 cm	TG 4076
4	1	1 x 150 cm	TG 4077
5	2	1 x 150 cm	TG 4078
6	3 + 4	1 x 150 cm	TG 4079
7	5	1 x 150 cm	TG 4180

Chirapack - 20 pcs./box







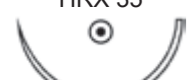
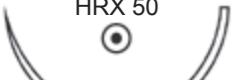



EP	USP	Length	Cat. No
4	1	1 x 250 cm	TG 3097
5	2	1 x 250 cm	TG 3098
1.5	4/0	1 x 300 cm	TG 4093
2	3/0	1 x 300 cm	TG 4094
3	2/0	1 x 300 cm	TG 4095
3.5	0	1 x 300 cm	TG 4096
4	1	1 x 300 cm	TG 4097
5	2	1 x 300 cm	TG 4098
6	3 + 4	1 x 300 cm	TG 4100

TERVALON braided






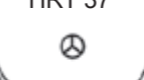
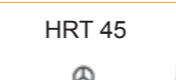
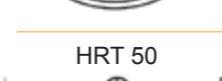

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 13	1 1.5	5/0 4/0	1 x 45 cm 1 x 45 cm	Green Green	TG 4452 TG 4453	
2 x HR 13	1.5	4/0	1 x 75 cm	Green	TG 4495	
HR 18	1.5 2 3	4/0 3/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Green Green Green	TG 4456 TG 4457 TG 4458	
HR 18 A	2	3/0	1 x 45 cm	Green	TG 5447	Take-off needle
HR 22	1.5 2 3	4/0 3/0 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Green Green Green	TG 4465 TG 4466 TG 4467	
2 x HR 22	3	2/0	1 x 75 cm	Green	TG 4653	
	3	2/0	1 x 90 cm	Green	TG 4652	
HR 25	2	3/0	1 x 75 cm	Green	TG 4471	
2 x HR 26	3	2/0	1 x 90 cm	Green	TG 4650	
HR 26 A	3	2/0	5 x 45 cm	Green	TG 5452	Take-off needle
HR 27	2 3 3.5 4	3/0 2/0 0 1	1 x 75 cm 1 x 75 cm 1 x 75 cm 1 x 75 cm	Green Green Green Green	TG 4461 TG 4462 TG 4463 TG 4464	
HR 30	2 3 3.5	3/0 2/0 0	1 x 75 cm 1 x 75 cm 1 x 75 cm	Green Green Green	TG 4315 TG 4316 TG 4317	
HR 35	4	1	1 x 75 cm	Green	TG 4373	



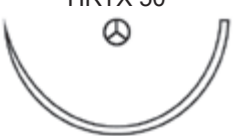







TERVALON braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 37 	3.5 4	0 1	1 x 75 cm 1 x 75 cm	Green Green	TG 4377 TG 4374	
HR 40 	5	2	1 x 90 cm	Green	TG 4376	
HR s: ½ circle, round body needle - slim						
HR s 18 	1.5	4/0	1 x 75 cm	Green	TG 2474	Slim needle
HR s 22 	2	3/0	1 x 75 cm	Green	TG 2485	Slim needle
HRX: ½ circle, round body needle - extra strong						
HRX 26 	3.5	0	1 x 75 cm	Green	TG 4362	
HRX 27 	5	2	1 x 75 cm	Green	TG 4365	
HRX 35 	2 3.5	3/0 0	1 x 75 cm 1 x 75 cm	Green Green	TG 4318 TG 4320	
HRX 50 	3.5	0	1 x 90 cm	Green	TG 4323	
HRX 65 	6	3	1 x 90 cm	Green	TG 4673	
HRX 70 	8	6	3 x 75 cm	Green	TG 4678	
HRX 70 	6	3 + 4	1 x 180 cm	Green	TG 7060	Loop











TERVALON braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRT: ½ circle, round body needle - tapercut						
HRT 17 	1 1.5 2	5/0 4/0 3/0	1 x 45 cm 1 x 45 cm 1 x 45 cm	Green Green Green	TG 4622 TG 4623 TG 4624	
2 x HRT 17 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	Green Green	TG 4627 TG 4628	
HRT 17 A 	1 1.5 2	5/0 4/0 3/0	1 x 90 cm 1 x 90 cm 1 x 90 cm	Green Green Green	TG 4631 TG 4632 TG 4633	
HRT 17 A 	2	3/0	6 x 45 cm	Green	TG 4734	Take-off needle
HRT 20 	3	2/0	1 x 75 cm	Green	TG 4635	
2 x HRT 25 	3	2/0	1 x 90 cm	Green	TG 4645	
HRT 37 	5	2	1 x 75 cm	Green	TG 4758	
HRT 45 	5	2	4 x 75 cm	Green	TG 5426	
HRT 50 	7	5	4 x 75 cm	Green	TG 5438	











TERVALON braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRTX: ½ circle, round body needle – tapercut, extra strong						
HRTX 50 	7	5	1 x 75 cm	Green	TG 4438	
DR: 3/8 circle, round body needle						
DR 12 	1	5/0	1 x 45 cm	Green	TG 4326	
DR 18 	2	3/0	1 x 75 cm	Green	TG 4331	
DR 21 	3	2/0	1 x 75 cm	Green	TG 4336	
DRT: 3/8 circle, round body needle - tapercut						
2 x DRT 17 	2	3/0	1 x 90 cm	Green	TG 4649	
FR: 5/8 circle, round body needle						
FR 27 	2	3/0	1 x 45 cm	Green	TG 4499	
GR: Straight, round body needle						
GR 20 	1 1.5 2 3	5/0 4/0 3/0 2/0	1 x 45 cm 1 x 45 cm 1 x 45 cm 1 x 45 cm	Green Green Green Green	TG 4484 TG 4485 TG 4486 TG 4487	
JRT: Hook shaped, round body needle - tapercut						
JRT 30 	4	1	1 x 75 cm	Green	TG 5768	

TERVALON braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HS: ½ circle, reverse cutting needle						
HS 12 	1	5/0	1 x 45 cm	Green	TG 4502	
HS 18 	1	5/0	1 x 45 cm	Green	TG 4505	
	1.5	4/0	1 x 45 cm	Green	TG 4506	
	2	3/0	1 x 45 cm	Green	TG 4507	
	1.5	4/0	1 x 75 cm	Green	TG 4508	
	2	3/0	1 x 75 cm	Green	TG 4509	
2 x HS 18 	1.5	4/0	1 x 90 cm	Green	TG 4618	
HS 21 	1.5	4/0	1 x 75 cm	Green	TG 4608	
	2	3/0	1 x 75 cm	Green	TG 4609	
HS 25 	2	3/0	1 x 75 cm	Green	TG 4511	
2 x HS 25 	3	2/0	1 x 90 cm	Green	TG 4612	
HS 36 	4	1	1 x 75 cm	Green	TG 4542	
HS 37 	3.5	0	1 x 75 cm	Green	TG 4534	
HS 50 	5	2	1 x 75 cm	Green	TG 4556	
HS 55 	6	3 + 4	1 x 75 cm	Green	TG 4567	

TERVALON braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
DS 12 	1.5	4/0	1 x 45 cm	Green	TG 4538	
DS 15 	1	5/0	1 x 45 cm	Green	TG 4547	
	1.5	4/0	1 x 45 cm	Green	TG 4548	
DS 19 	1.5	4/0	1 x 70 cm	Green	TG 6544	TERVALON Excel braided
	2	3/0	1 x 45 cm	Green	TG 4551	TERVALON Excel braided
DS 19 	3	2/0	1 x 70 cm	Green	TG 9555	
	1.5	4/0	1 x 75 cm	Green	TG 4553	
DS 25 	2	3/0	1 x 75 cm	Green	TG 4564	
	3	2/0	1 x 75 cm	Green	TG 4565	
DS 25 	3.5	0	1 x 75 cm	Green	TG 5564	
	2	3/0	1 x 75 cm	Green	TG 4574	
DS 30 	3	2/0	1 x 75 cm	Green	TG 4575	
	3.5	0	1 x 75 cm	Green	TG 4576	
DS 30 	4	1	1 x 75 cm	Green	TG 4577	
	4	1	1 x 120 cm	Green	TG 4578	
DS 38 	3.5	0	1 x 75 cm	Green	TG 4586	
	4	1	1 x 75 cm	Green	TG 4587	
	4	1	2 x 75 cm	Green	TG 5587	
	5	2	1 x 75 cm	Green	TG 4588	
DSC: 3/8 circle, conventional cutting needle						
DSC 90 	4	1	1 x 100 cm	Green	TG 8589	

TERVALON braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DSM: 3/8 circle, reverse cutting needle - micropoint						
DSM 12 	1 1.5	5/0 4/0	1 x 45 cm 1 x 45 cm	Green Green	TG 4513 TG 4514	Advanced cutting needle
DSM 15 	1.5	4/0	1 x 45 cm	Green	TG 4518	Advanced cutting needle
DSM 19 	2	3/0	1 x 75 cm	Green	TG 4524	Advanced cutting needle
DSM 25 	3	2/0	1 x 75 cm	Green	TG 4531	Advanced cutting needle
GS: Straight, reverse cutting needle						
GS 60 	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Green Green	TG 4594 TG 4595	



TERVALON braided white ligatures


Pre-cut threads

EP	USP	Length	Cat. No
3	2/0	10 x 45 cm	TG 4055W
4	1	10 x 45 cm	TG 4057W
5	2	10 x 45 cm	TG 4058W

Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
2	3/0	1 x 250 cm	TG 3094W
3	2/0	1 x 250 cm	TG 3095W
3.5	0	1 x 250 cm	TG 3096W
4	1	1 x 250 cm	TG 3097W

TERVALON braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DSM: 3/8 circle, reverse cutting needle - micropoint						
DSM 25 	3	2/0	1 x 75 cm	White	TG 4531W	Advanced cutting needle

Silon braided
Orsilon braided

Silon braided

Orsilon braided

Silon braided

Orsilon braided



SILON braided/ORSILON braided

SILON braided/ORSILON braided are non-absorbable, multifilament sutures made of polyamide. Braided sutures made of polyamide have excellent tissue biocompatibility, minimal resistance to tissue passage and high knot security. The sutures are characterized by a strong knot-pull strength.

Characteristics of Orsilon braided are higher tensile strength, lower extension, reduced capillary effect and a smoother surface.

The sutures elicit a minimal initial inflammatory reaction in tissues, which is followed by gradual encapsulation of the sutures by fibrous connective tissue.



Indication: Skin closure, Subcutaneous tissue, Transversely cut muscles, Fascia, Peritoneum, Gastrointestinal tract and Blood vessels ligation.

Contraindication: Silon braided/Orsilon braided should not be used for suturing infected wounds. It should not be used when long-term mechanical support is required.

Chemical Composition: Polyamide

Sizes: 5/0 to 5 USP

Structure: Multifilament

Absorption method: Non-absorbable

Colour: White and Black

SILON braided white ligatures

Pre-cut threads

EP	USP	Length	Cat. No
1	5/0	3 x 45 cm	526
1.5	4/0	3 x 45 cm	527
2	3/0	3 x 45 cm	528
2.5	-	3 x 45 cm	529
3	2/0	3 x 45 cm	530
3.5	0	3 x 45 cm	531
4	1	3 x 45 cm	532
5	2	3 x 45 cm	557
6	3 + 4	3 x 45 cm	558
1.5	4/0	6 x 45 cm	SB 2032
3.5	0	6 x 45 cm	SB 2036
4	1	6 x 45 cm	SB 2037
1	5/0	10 x 45 cm	533
1.5	4/0	10 x 45 cm	534
2	3/0	10 x 45 cm	535
2.5	-	10 x 45 cm	536
3	2/0	10 x 45 cm	537
3.5	0	10 x 45 cm	538
4	1	10 x 45 cm	539
5	2	10 x 45 cm	547
6	3 + 4	10 x 45 cm	548
2	3/0	17 x 45 cm	575
3	2/0	17 x 45 cm	576
4	1	17 x 45 cm	577
1	5/0	10 x 70 cm	566
1.5	4/0	10 x 70 cm	567
2	3/0	10 x 70 cm	568
2.5	-	10 x 70 cm	569
3	2/0	10 x 70 cm	570
3.5	0	10 x 70 cm	571
4	1	10 x 70 cm	572
5	2	10 x 70 cm	573
6	3 + 4	10 x 70 cm	574
1.5	4/0	2 x 75 cm	581
2	3/0	2 x 75 cm	582
2.5	-	2 x 75 cm	583
3	2/0	2 x 75 cm	584

Pre-cut threads

EP	USP	Length	Cat. No
3.5	0	2 x 75 cm	585
4	1	2 x 75 cm	586
5	2	2 x 75 cm	587
6	3 + 4	2 x 75 cm	588
2	3/0	5 x 75 cm	592
2.5	-	5 x 75 cm	593
3	2/0	5 x 75 cm	594
3.5	0	5 x 75 cm	595
4	1	5 x 75 cm	596
5	2	5 x 75 cm	597
6	3 + 4	5 x 75 cm	598
1	5/0	1 x 150 cm	516
1.5	4/0	1 x 150 cm	517
2	3/0	1 x 150 cm	518
2.5	-	1 x 150 cm	519
3	2/0	1 x 150 cm	520
3.5	0	1 x 150 cm	521
4	1	1 x 150 cm	522
5	2	1 x 150 cm	523
6	3 + 4	1 x 150 cm	524
7	5	1 x 150 cm	525

Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
1	5/0	1 x 300 cm	SB 2053
1.5	4/0	1 x 300 cm	SB 2054
2	3/0	1 x 300 cm	SB 2055
2.5	-	1 x 300 cm	SB 2056
3	2/0	1 x 300 cm	SB 2057
3.5	0	1 x 300 cm	SB 2058
4	1	1 x 300 cm	SB 2059
5	2	1 x 300 cm	SB 2060
6	3 + 4	1 x 300 cm	SB 2061
7	5	1 x 300 cm	SB 2062

SILON braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 37	4	1	1 x 75 cm	White	SB 2618	
HRT: ½ circle, round body needle - tapercut						
HRT 37	3.5	0	1 x 90 cm	White	SB 2570	
J-RX: Hook shaped, round body needle						
J-RX 22	3.5	0	1 x 75 cm	White	SB 2580	
HS: ½ circle, reverse cutting needle						
HS 37	4	1	1 x 75 cm	White	SB 2555	
HS 55	5	2	1 x 75 cm	White	SB 2520	
DS: 3/8 circle, reverse cutting needle						
DS 30	3.5	0	1 x 75 cm	White	SB 4576	
DS 38	4	1	2 x 75 cm	White	SB 5587	

SILON braided black ligatures

Pre-cut threads

EP	USP	Length	Cat. No
2	3/0	3 x 45 cm	SC 0528
3	2/0	3 x 45 cm	SC 0530
3.5	0	3 x 45 cm	SC 0531
4	1	3 x 45 cm	SC 0532
5	2	3 x 45 cm	SC 0557
6	3 + 4	3 x 45 cm	SC 0558
2	3/0	6 x 45 cm	SC 2033
3.5	0	6 x 45 cm	SC 2036
4	1	6 x 45 cm	SC 2037
1.5	4/0	10 x 45 cm	SC 0534
2	3/0	10 x 45 cm	SC 0535
3	2/0	10 x 45 cm	SC 0537
3.5	0	10 x 45 cm	SC 0538
4	1	10 x 45 cm	SC 0539
5	2	10 x 45 cm	SC 0547
2	3/0	10 x 70 cm	SC 0568
3	2/0	10 x 70 cm	SC 0570
3.5	0	10 x 70 cm	SC 0571
4	1	10 x 70 cm	SC 0572
5	2	10 x 70 cm	SC 0573
1	5/0	2 x 75 cm	SC 0580
2	3/0	2 x 75 cm	SC 0582
3	2/0	2 x 75 cm	SC 0584
2	3/0	5 x 75 cm	SC 0592
3	2/0	5 x 75 cm	SC 0594
3.5	0	5 x 75 cm	SC 0595
4	1	5 x 75 cm	SC 0596
5	2	5 x 75 cm	SC 0597
6	3 + 4	1 x 150 cm	SC 0524













Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
2	3/0	1 x 300 cm	SC 2055
3	2/0	1 x 300 cm	SC 2057
3.5	0	1 x 300 cm	SC 2058
4	1	1 x 300 cm	SC 2059
5	2	1 x 300 cm	SC 2060
6	3 + 4	1 x 300 cm	SC 2061









SILON braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 25	2	3/0	1 x 75 cm	Black	SC 2420	
HR 27	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Black Black	SC 2427 SC 2426	
HR 27 A	2	3/0	5 x 45 cm	Black	SC 2428	
HR 27 A	2	3/0	5 x 75 cm	Black	SC 5451	Take-off needle
HR 30	3	2/0	1 x 75 cm	Black	SC 6107	
HR 37	4	1	1 x 75 cm	Black	SC 2618	
HRX: ½ circle, round body needle - extra strong						
HRX 35 A	4	1	1 x 45 cm	Black	SC 2756	Take-off needle
HS: ½ circle, reverse cutting needle						
HS 37	3 4	2/0 1	1 x 75 cm 1 x 75 cm	Black Black	SC 2534 SC 2555	

ORSILON braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 10 	1	5/0	1 x 45 cm	White	653	
HR 13 	1.5	4/0	1 x 45 cm	White	6114	
HR 15 	1	5/0	1 x 45 cm	White	OS 2407	
HR 18 	1.5 2	4/0 3/0	1 x 75 cm 1 x 75 cm	White White	6102 OS 2410	
HR 22 	2 2.5 3	3/0 - 2/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	White White White	OS 2415 6103 OS 2416	
HR 27 	2	3/0	1 x 120 cm	White	OS 2417	
HR 27 	3	2/0	1 x 75 cm	White	OS 2426	
HR 30 	2.5 3	- 2/0	1 x 75 cm 1 x 75 cm	White White	6106 6107	
DR: 3/8 circle, round body needle						
DR 15 	1.5	4/0	1 x 45 cm	White	6013	
DR 18 	1.5	4/0	1 x 75 cm	White	6001	
DR 21 	2.5	-	1 x 75 cm	White	6011	
DR 31 	2.5	-	1 x 75 cm	White	6012	

ORSILON braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HS: ½ circle, reverse cutting needle						
HS 18 	1.5	4/0	1 x 45 cm	White	6340	
HS 21 	1 1.5 2	5/0 4/0 3/0	1 x 75 cm 1 x 75 cm 1 x 75 cm	White White White	6344 6345 6346	
HS 25 	2	3/0	1 x 75 cm	White	6356	
HS 30 	3	2/0	1 x 75 cm	White	6367	
DS: 3/8 circle, reverse cutting needle						
DS 15 	1.5	4/0	1 x 45 cm	White	6317	
DS 19 	1.5	4/0	1 x 75 cm	White	6316	
DS 25 	2.5 3	- 2/0	1 x 75 cm 1 x 75 cm	White White	6318 6320	
DS 30 	2.5	-	1 x 75 cm	White	6319	



Silk braided



SILK braided

SILK braided is a natural and non-absorbable, multifilament suture material. To give Silk braided a certain stiffness a special technology is applied.

The braided suture is stiffened by inserting a twisted stem from the same material. The Silk is coated to achieve water resistance and avoid its high capillary effect.

Silk braided is characterised by its constant thread diameter and high tensile strength. The advantages of Silk braided sutures are their extreme pliability, ease of handling and excellent knot strength.



Indication: Skin closure, Subcutaneous tissue, Fascia, Peritoneum, Plastic surgery, Gynaecology and the organs of the Gastrointestinal tract.

Contraindication: Silk braided should not be used for suturing infected wounds. Silk braided cannot be used when permanent suture stability is required.

Chemical Composition: Natural silk

Sizes: 9/0 to 5 USP

Structure: Multifilament

Absorption method: Non-absorbable

Colour: Black

SILK braided black ligatures

Pre-cut threads

EP	USP	Length	Cat. No
3	2/0	5 x 30 cm	HB 7055
1.5	4/0	3 x 45 cm	HB 4033
2	3/0	3 x 45 cm	HB 4034
3	2/0	3 x 45 cm	HB 4035
5	2	3 x 45 cm	HB 4038
3	2/0	6 x 45 cm	HB 4045
1.5	4/0	12 x 45 cm	HB 3043
2	3/0	12 x 45 cm	HB 3044
3	2/0	12 x 45 cm	HB 3045
3.5	0	12 x 45 cm	HB 3046
1	5/0	1 x 150 cm	317
1.5	4/0	1 x 150 cm	318
2	3/0	1 x 150 cm	319
3	2/0	1 x 150 cm	321
3.5	0	1 x 150 cm	322
4	1	1 x 150 cm	323
5	2	1 x 150 cm	324
6	3 + 4	1 x 150 cm	325
7	5	1 x 150 cm	326



Chirapack - 20 pcs./box

EP	USP	Length	Cat. No
2	3/0	1 x 300 cm	HB 3053
3	2/0	1 x 300 cm	HB 3054
3.5	0	1 x 300 cm	HB 3055
4	1	1 x 300 cm	HB 3056











SILK braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HR: ½ circle, round body needle						
HR 10	1	5/0	1 x 45 cm	Black	355	
HR 13	1	5/0	1 x 45 cm	Black	3102	
HR 15	0.7 2	6/0 3/0	1 x 75 cm 1 x 75 cm	Black Black	3110 3113	
HR 16	1.5	4/0	1 x 75 cm	Black	3124	
HR 18	1.5	4/0	1 x 75 cm	Black	3104	
HR 22	2	3/0	1 x 75 cm	Black	3108	
HR 27	3 3.5	2/0 0	1 x 75 cm 1 x 75 cm	Black Black	3115 3116	
HR 30	2 3	3/0 2/0	1 x 75 cm 1 x 75 cm	Black Black	3118 3119	
HR 35	4	1	1 x 75 cm	Black	3131	

SILK braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRT: ½ circle, round body needle - tapercut						
 HRT 17	1.5	4/0	1 x 45 cm	Black	3153	
	2	3/0	1 x 45 cm	Black	3154	
DR: 3/8 circle, round body needle						
 DR 8	0.5	7/0	1 x 45 cm	Black	350	
	1	5/0	1 x 45 cm	Black	352	
 DR 10	0.5	7/0	1 x 45 cm	Black	351	
 DR 12	1	5/0	1 x 45 cm	Black	3001	
	1.5	4/0	1 x 45 cm	Black	3012	
 DR 15	1	5/0	1 x 75 cm	Black	3010	
	1.5	4/0	1 x 75 cm	Black	3003	
 DR 18	1.5	4/0	1 x 75 cm	Black	3003	
 DR 21	1.5	4/0	1 x 75 cm	Black	3011	
GR: Straight, round body needle						
 GR 20	1.5	4/0	1 x 75 cm	Black	3205	
	2	3/0	1 x 75 cm	Black	3206	
 GR 45	3	2/0	1 x 75 cm	Black	3217	

SILK braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
HS: ½ circle, reverse cutting needle						
 HS 18	1.5	4/0	1 x 45 cm	Black	3402	
	1.5	4/0	1 x 75 cm	Black	3405	
	2	3/0	1 x 75 cm	Black	3406	
 HS 21	3	2/0	1 x 75 cm	Black	3427	
	3	2/0	1 x 75 cm	Black	3407	
 HS 24	2	3/0	1 x 75 cm	Black	3434	
 HS 40	4	1	1 x 75 cm	Black	3465	
	4	1	1 x 75 cm	Black	3465	
DS: 3/8 circle, reverse cutting needle						
 DS 12	0.7	6/0	1 x 45 cm	Black	3312	
	1	5/0	1 x 45 cm	Black	3313	
 DS 15	1	5/0	1 x 75 cm	Black	3317	
 DS 16	1.5	4/0	1 x 45 cm	Black	3320	
 DS 19	1.5	4/0	1 x 45 cm	Black	3335	
	1.5	4/0	1 x 45 cm	Black	3335	
 DS 16	1.5	4/0	1 x 75 cm	Black	3331	
	2	3/0	1 x 75 cm	Black	3332	
 DS 19	2	3/0	1 x 75 cm	Black	3336	
	3	2/0	1 x 75 cm	Black	3337	











UK03
192

Non-absorbable - Silk braided

UK03
193

Non-absorbable - Silk braided

SILK braided

Needle	EP	USP	Length	Colour	Cat. No	Other information
DS: 3/8 circle, reverse cutting needle						
 DS 25	1.5	4/0	1 x 45 cm	Black	3343	
	2	3/0	1 x 45 cm	Black	3344	
	3	2/0	1 x 45 cm	Black	3345	
 DS 30	3	2/0	1 x 75 cm	Black	3348	
	4	1	1 x 75 cm	Black	3347	
 DS 40	3	2/0	1 x 75 cm	Black	3351	
	3.5	0	1 x 75 cm	Black	3352	
	4	1	1 x 75 cm	Black	3353	
 DS 40	3.5	0	1 x 75 cm	Black	3366	
DSC: 3/8 circle, conventional cutting needle						
 DSC 16	0.7	6/0	1 x 45 cm	Black	8326	
	1	5/0	1 x 75 cm	Black	8327	
 DSC 40	3	2/0	1 x 100 cm	Black	8365	
 DSC 60	4	1	1 x 75 cm	Black	8377	
DSM: 3/8 circle, reverse cutting needle - micropoint						
 DSM 19	2	3/0	1 x 45 cm	Black	3534	Advanced cutting needle
GS: Straight, reverse cutting needle						
 GS 60	3	2/0	1 x 75 cm	Black	3225	
 GS 75	2	3/0	1 x 75 cm	Black	3224	
	3.5	0	1 x 75 cm	Black	3223	

Steel Wire

STEEL Wire

STEEL Wire is a non-absorbable, monofilament and sterile surgical suture composed of 316LVM stainless steel for surgical implants. Steel Wire material is supplied as combinations of stainless steel needles.

Steel Wire sutures are the most inert of all suture materials and provide maximum tensile strength. Steel Wire is available with fixed or rotating (axial) needles. All boxes are supplied in long packs.



Indication: Abdominal wound closure, Sternal closure, Orthopaedic procedures and Tendons.

Contraindication: Steel Wire is contraindicated in patients with known sensitivities or allergies to steel or its principal metallic components, such as chromium and nickel. The presence of steel may interfere with certain radio-diagnostics and its use is contraindicated where radiotransparency of suture material is required.

Chemical Composition: 316LVM Stainless steel

Sizes: 1 to 7 USP

Structure: Monofilament

Absorption method: Non-absorbable

Colour: Steel

STEEL Wire

UK03
198

Needle	EP	USP	Length	Colour	Cat. No	Other information
HRX: ½ circle, round body needle - extra strong						

HRX 48 rotating



8

6

4 x 45 cm

Steel

SW 2122

Long pack

HRTX: ½ circle, round body needle - tapercut, extra strong						
---	--	--	--	--	--	--

HRTX 50



7

5

4 x 45 cm

Steel

SW 2200

Long pack

8

6

4 x 45 cm

Steel

SW 2210

HS: ½ circle, reverse cutting needle						
---	--	--	--	--	--	--

HS 48



4

1

4 x 45 cm

Steel

SW 2000

6

4

4 x 45 cm

Steel

SW 2010

7

5

4 x 45 cm

Steel

SW 2100

Long pack

8

6

4 x 45 cm

Steel

SW 2110

9

7

4 x 45 cm

Steel

SW 2120

HS 55 rotating

7

5

4 x 45 cm

Steel

SW 2310

8

6

4 x 45 cm

Steel

SW 2330



Long pack

7

5

2 x 75 cm

Steel

SW 2300

8

6

2 x 75 cm

Steel

SW 2320

HSC: ½ circle, conventional cutting needle						
---	--	--	--	--	--	--

HSC 48



7

5

4 x 45 cm

Steel

SW 2400

8

6

4 x 45 cm

Steel

SW 2410

Long pack

9

7

4 x 45 cm

Steel

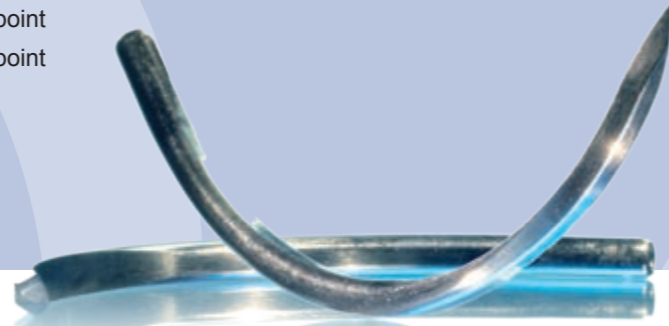
SW 2420






Special products

Ophthalmic - Microsurgery

Type of needles

- DR - 3/8 circle, round body needle
- DSM - 3/8 circle, reverse cutting needle, micropoint
- VSM - 1/4 circle, reverse cutting needle, micropoint
- HLZ - 1/2 circle, spatulated
- DLZ - 3/8 circle, spatulated
- VLZ - 1/4 circle, spatulated
- GLZ - Straight, spatulated





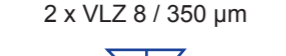


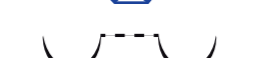



Material	Needle	EP	USP	Length	Cat. No
CHIRASORB braided violet		0.4	8/0	1 x 45 cm	MI 2422
		0.5	7/0	1 x 30 cm	MI 2421
CHIRASORB braided violet		0.5	7/0	1 x 45 cm	MI 2609
		0.7	6/0	1 x 45 cm	MI 2610
CHIRLAC braided violet		0.4	8/0	1 x 30 cm	MI 1419
		0.5	7/0	1 x 30 cm	MI 1420
CHIRLAC braided violet		0.4	8/0	1 x 30 cm	MI 1426
		0.5	7/0	1 x 30 cm	MI 1427
CHIRLAC braided violet		0.7	6/0	1 x 45 cm	MI 1610
		1	5/0	1 x 45 cm	MI 1710

Ophthalmic - Microsurgery

Material	Needle	EP	USP	Length	Cat. No
CHIRALEN monofilament black	1 x DR 6 	0.4	8/0	1 x 45 cm	MI 3241
CHIRALEN monofilament black	2 x DR 6.5 	0.4	8/0	1 x 60 cm	MI 3242
CHIRALEN monofilament black	1 x DLZ 6.4 / 200 µm 	0.2	10/0	1 x 15 cm	MI 1219
CHIRALEN monofilament black	2 x DLZ 6.4 / 200 µm 	0.2	10/0	1 x 23 cm	MI 1220
CHIRALEN monofilament black	2 x GLZ 16 / 150 µm 	0.2	10/0	1 x 23 cm	MI 1280
SILON monofilament black	1 x DR 3.75 / 75 µm 	0.2	10/0	1 x 13 cm	MI 2248
SILON monofilament black	1 x DR 5 Black / 130 µm 	0.4	8/0	1 x 13 cm	MI 2241
SILON monofilament black	1 x DR 5 / 100 µm 	0.3	9/0	1 x 15 cm	MI 2344
SILON monofilament black	1 x DR 5.1 / 100 µm 	0.3	9/0	1 x 13 cm	MI 2345
SILON monofilament black	1 x DR 5.1 / 75 µm 	0.2	10/0	1 x 13 cm	MI 2246

Ophthalmic - Microsurgery

Material	Needle	EP	USP	Length	Cat. No
SILON monofilament black	1 x DR 6.5 / 150 µm 	0.4	8/0	1 x 15 cm	MI 1240
SILON monofilament black	1 x DSM 6.5 / 200 µm 	0.4	8/0	1 x 13 cm	MI 2448
SILON monofilament black	1 x DLZ 6.2 / 150 µm 	0.2	10/0	1 x 30 cm	MI 2223
SILON monofilament black	2 x DLZ 6.2 / 150 µm 	0.2 0.3	10/0 9/0	1 x 30 cm 1 x 30 cm	MI 1225 MI 1226
TERVALON braided green	2 x VLZ 8 / 350 µm 	1	5/0	1 x 45 cm	MI 8710
SILK twisted black	2 x DSM 8 / 230 µm 	0.5	7/0	1 x 45 cm	MI 1550
SILK twisted black	2 x HLZ 8 / 200 µm 	0.4	8/0	1 x 30 cm	MI 1430
SILK braided black	2 x VSM 8 / 200 µm 	0.7	6/0	1 x 45 cm	MI 1690
SILK braided black	2 x DLZ 6.4 / 200 µm 	0.4	8/0	1 x 30 cm	MI 1431
		0.5	7/0	1 x 45 cm	MI 1432

Eye needles

Surgical Eye needles are made of high-quality stainless steel. Different types of needles are available to meet a full range of requirements. The needles are always packed in foil pouches with 12 pieces.






The surgical Eye needle range consists of Eye needles with a double spring eye and with a regular eye.

Eye needles
Double spring

Eye needles
Regular



Eye needles Double spring

Needle	Needle no.	Wire diameter (mm)	Cat. No
PB HR: ½ circle, round body needle			
HR 61 	0	0.65	EY 8002
HR 52 	1	0.65	EY 8003
HR 42 	2	0.65	EY 8004
HR 36 	3	0.55	EY 8005
HR 30 	4	0.55	EY 8006

Eye needles

Double spring





Needle	Needle no.	Wire diameter (mm)	Cat. No
PB HR: ½ circle, round body needle			
 HR 24	5	0.55	EY 8007
 HR 20	7	0.55	EY 8009
 HR 13	9	0.45	EY 8011
E HRX: ½ circle, round body needle - extra strong			
 HRX 100	0000	1.20	EY 8700
 HRX 72	000	1.10	EY 8701
 HRX 63	00	1.10	EY 8703
 HRX 54	0	1.00	EY 8705

Eye needles

Double spring



Needle	Needle no.	Wire diameter (mm)	Cat. No
E HRX: ½ circle, round body needle - extra strong			
 HRX 46	1	1.00	EY 8707
 HRX 38	2	0.85	EY 8709
 HRX 30	3	0.75	EY 8711
 HRX 24	4	0.65	EY 8713
 HRX 22	5	0.55	EY 8715
 HRX 17.5	6	0.55	EY 8717
PC GR: Straight, round body needle			
 GR 70	00	0.65	EY 8801
 GR 52	1	0.65	EY 8803
 GR 36	3	0.55	EY 8804
 GR 24	5	0.55	EY 8805

Eye needles

Double spring



Needle	Needle no.	Wire diameter (mm)	Cat. No
GA HS: ½ circle, reverse cutting needle			
HS 72	0	1.80	EY 8623
HS 60	2	1.60	EY 8625
HS 54	3	1.40	EY 8626
HS 46	4	1.40	EY 8627
HS 38	5	1.30	EY 8628
HS 32	6	1.10	EY 8629
HS 23	8	1.00	EY 8631

Eye needles

Double spring



Needle	Needle no.	Wire diameter (mm)	Cat. No
GE HS: ½ circle, reverse cutting needle			
HS 80	1	1.30	EY 8601
HS 68	3	1.10	EY 8603
HS 58	5	1.10	EY 8605
HS 50	8	1.00	EY 8608
HS 42	11	0.85	EY 8611
HS 34	14	0.75	EY 8614
HS 28	17	0.65	EY 8617
HS 24.5	19	0.65	EY 8619



Eye needles

Double spring



Needle	Needle no.	Wire diameter (mm)	Cat. No
GE HS: 1/2 circle, reverse cutting needle			
HS 20 	21	0.55	EY 8621
HS 17.5 	22	0.55	EY 8622
BE DS: 3/8 circle, reverse cutting needle			
DS 58 	5	1.10	EY 8405
DS 50 	8	1.00	EY 8408
DS 44 	10	0.85	EY 8410
DS 36 	13	0.75	EY 8413
DS 32 	15	0.75	EY 8415
DS 28 	17	0.65	EY 8417
DS 24.5 	19	0.65	EY 8419
DS 20 	21	0.55	EY 8421

Eye needles

Double spring



Needle	Needle no.	Wire diameter (mm)	Cat. No
BE DS: 3/8 circle, reverse cutting needle			
DS 17.5 	22	0.55	EY 8422
DS 12 	24	0.55	EY 8424

Eye needles

Regular













Needle	Needle no.	Wire diameter (mm)	Cat. No
PB HR: 1/2 circle, round body needle			
HR 24 	5	0.55	EY 9007
E HRX: 1/2 circle, round body needle - extra strong			
HRX 72 	000	1.10	EY 9701
HRX 38 	2	0.85	EY 9709
GA HS: 1/2 circle, reverse cutting needle			
HS 32 	6	1.10	EY 9629

Eye needles

Regular



Needle	Needle no.	Wire diameter (mm)	Cat. No
GE HS: 1/2 circle, reverse cutting needle			
HS 42 	11	0.85	EY 9611
HS 34 	14	0.75	EY 9614
HS 24.5 	19	0.65	EY 9619
HS 20 	21	0.55	EY 9621
BE DS: 3/8 circle, reverse cutting needle			
DS 58 	5	1.10	EY 9405
DS 44 	10	0.85	EY 9410
DS 32 	15	0.75	EY 9415
DS 28 	17	0.65	EY 9417
DS 24.5 	19	0.65	EY 9419
DS 20 	21	0.55	EY 9421

UK03
210



Special Products - Eye needles

Chiralen

Meshes

Capromesh

Chiralen

Capromesh

Capromesh

Surgical Meshes

Surgical Meshes have become standard for the repair of abdominal wall hernias. Surgical mesh is a sterile woven material designed for permanent implantation within the body during open or laparoscopic procedures.

A wide range of mesh implants are available, with two main functions: to stabilise and strengthen soft tissue defects, and to act as a sling to support prolapsed organs and viscera. In tissue repair applications, the mesh serves to mechanically strengthen the weakened area whilst simultaneously promoting long-term stability by acting as a scaffold for new tissue growth. It is most commonly used in pelvic organ prolapse, urinary stress incontinence and hernia repairs.

CAPROMESH

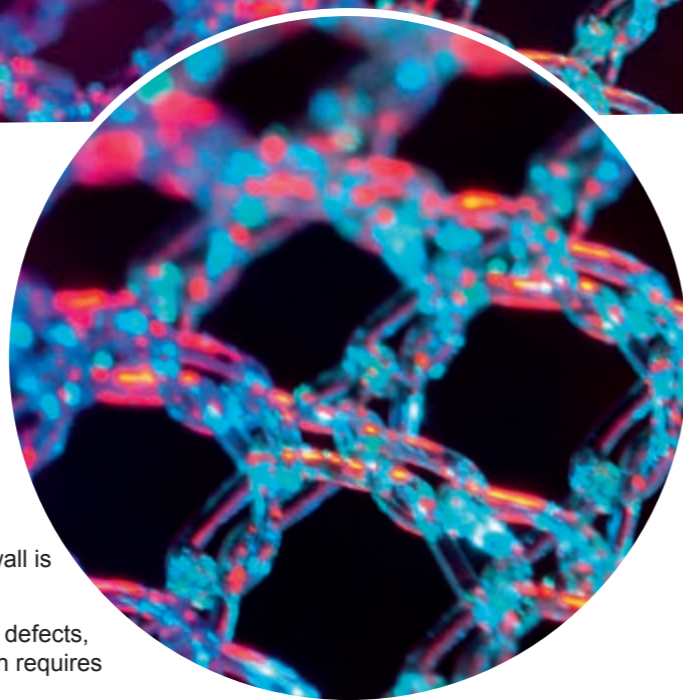
Partially absorbable

The sterile, partially absorbable, composite mesh is made from two components: one absorbable and one non-absorbable.

Capromesh is composed of an absorbable segmented copolymer of glycolide and ϵ -caprolactone and non-absorbable polypropylene monofilament fibres. The monofilament structure of the mesh decreases the risk of infection and inflammation.

After absorption of the absorbable part, only the polypropylene mesh remains in the body. The structure and size of the residual mesh are optimally designed for the physiological stress to which the abdominal wall is subject.

Indication: Capromesh is indicated in the operative treatment of fascial defects, in particular hernias, and weakened abdominal wall, the healing of which requires long-term bridging or strengthening of the damaged structures.



Technical information

Fibre thickness: Approx. 500 μ m

Pore size: 2 - 4 mm

Weight: Initial: approx. 85 g/m². PP - contents approx. 28 g/m²

Stiffness: Initial: approx. 20 mg. After absorption: approx. 1 mg

Burst strength of the mesh: Initial: approx. 300 N. After absorption: approx. 175 N

Absorption time: PGA/PCL part: approx. 90 - 120 days

Advantages

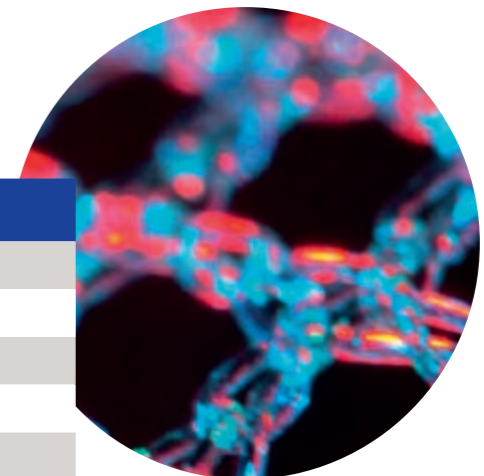
Advantages for the surgeon:

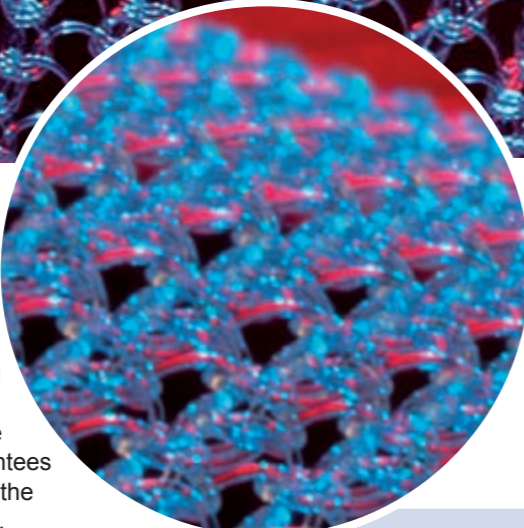
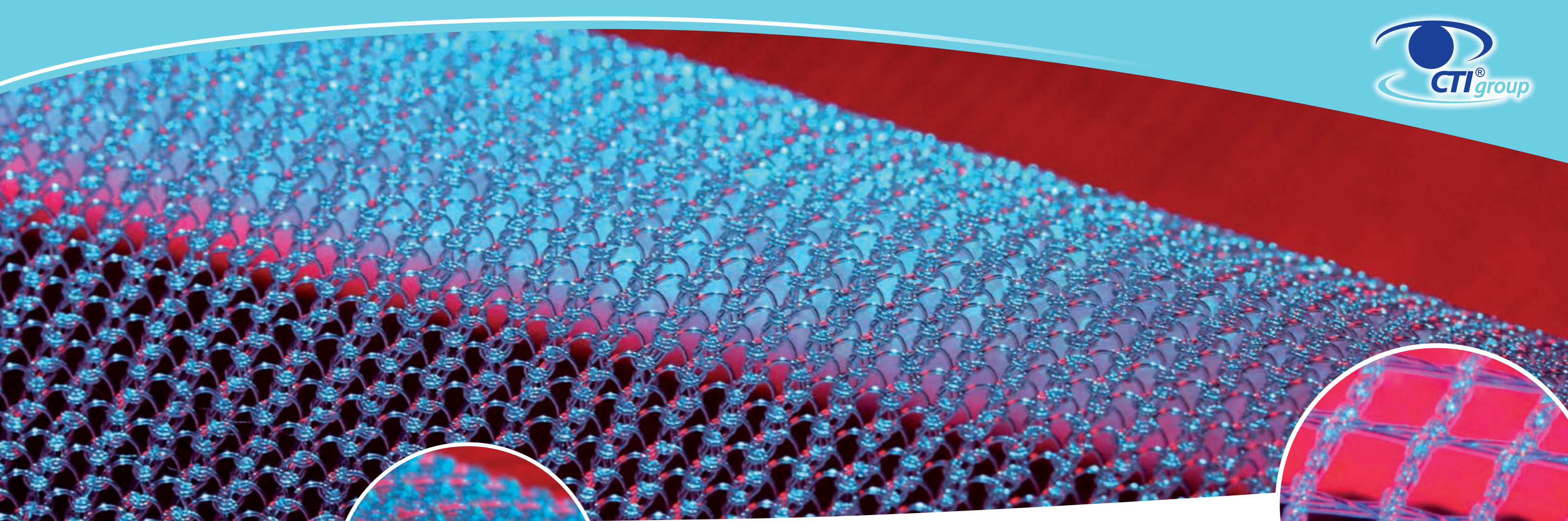
- Low inflammation risk due to monofilament structure
- Mesh can be cut into any shape and remains stable
- Optimal and safe handling during surgery
- Suitable for all operation techniques
- Made from proven materials: Monolac monofilament (PGA/PCL) and Chiralen (PP)
- Good balance between price and quality

Advantages for the patient:

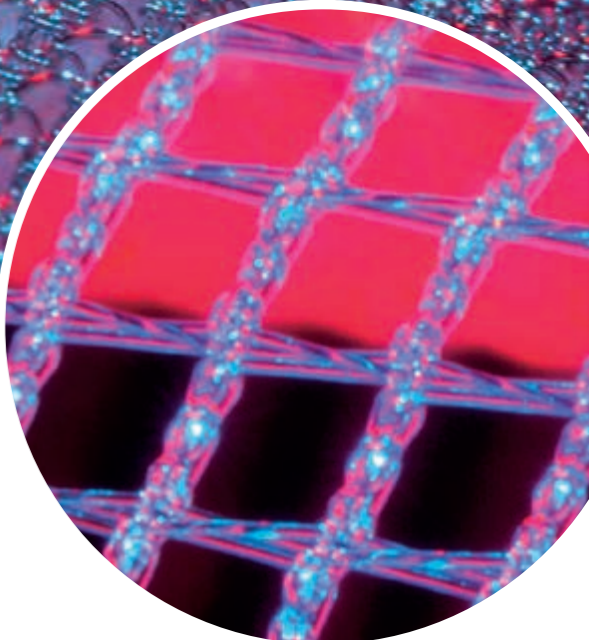
- Lower risk of infection
- Minimal foreign body component after partial absorption
- Optimal elongation in both directions
- Maximal comfort for the patient due to optimal softness
- Residual weight of the PP-net is only 25 g/m²

Size	Cat. No
6 cm x 11 cm	PC 0611
10 cm x 15 cm	PC 1015
15 cm x 15 cm	PC 1515
15 cm x 30 cm	PC 1530
30 cm x 30 cm	PC 3030





CHIRALEN meshes



CHIRALEN meshes light

CHIRALEN meshes

Non-absorbable

The sterile and surgical meshes are made from undyed polypropylene filaments. The knitted filaments have a smooth and hydrophobic surface, which biologically are absolutely inert. High elasticity in both directions guarantees good elasticity and flexibility. This construction enables the mesh to be cut to any shape or size without unravelling. The meshes' tensile strength and tear resistance are in line with the natural properties of the body, so the meshes can be used for various indications. The special structure, increased pore size and particularly fine monofilaments provide a macroporous, very light and flexible mesh implant. Its greater porosity allows more rapid ingrowth of the body's cells, which stabilises the tissues.

The mesh can be fixed in the location of the wound. For this purpose non-absorbable suture material should be used at a distance of at least 6.5 mm from the edge of the mesh.

Chiralen meshes are available in different sizes, all offering high strength and high flexibility. Chiralen meshes are available in a weight of approx. 125 g/m² or in the light version with a weight of approx. 55 g/m².

Indication: Chiralen meshes are indicated in the operative treatment of fascial defects, in particular hernias, which require long-term bridging of damaged structures.

Technical information - Chiralen mesh

Weight: 125 g/m²

Thickness of filament: 0.420 mm

Pore density: 48 pores/1 cm²

Technical information - Chiralen mesh light

Weight: 55 g/m²

Thickness of filament: 0.320 mm

Pore density: 48 pores/1 cm²

Pore size gross: 218 µm
(net: 180 µm)

Advantages:

- Minimises foreign-body reactions
- Security combined with great comfort for the patient
- Optimised scar tissue formation

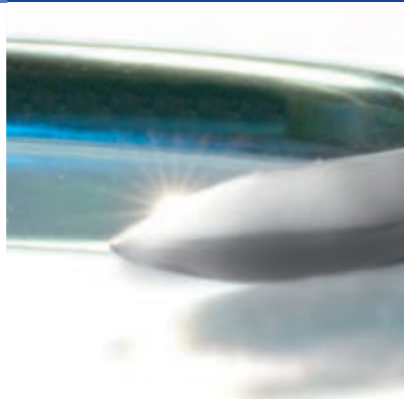
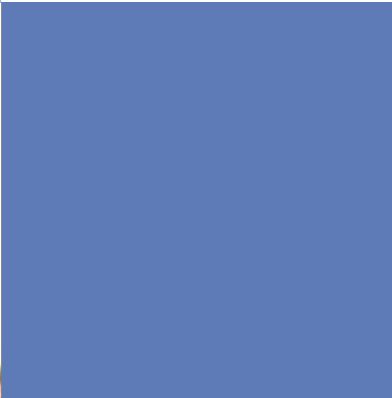
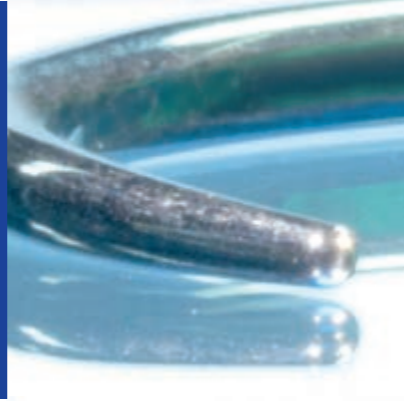
CHIRALEN meshes

Size	Cat. No
6 cm x 11 cm	PM 0611
7.6 cm x 15 cm	PM 0715
10 cm x 15 cm	PM 1015
15 cm x 15 cm	PM 0151
30 cm x 30 cm	PM 0303

CHIRALEN meshes light

Size	Cat. No
6 cm x 11 cm	PL 0611
10 cm x 15 cm	PL 1015
15 cm x 15 cm	PL 1515
15 cm x 30 cm	PL 1530
30 cm x 30 cm	PL 3030

Veterinary



Veterinary

CHIRASORB braided violet

Bottles

EP	USP	Length	Cat. No
2	3/0	1 x 50 m	LV 1013
3	2/0	1 x 50 m	LV 1014
3.5	0	1 x 50 m	LV 1015
4	1	1 x 50 m	LV 1016
5	2	1 x 50 m	LV 1017
6	3 + 4	1 x 50 m	LV 1018
2	3/0	1 x 25 m	LV 1043
3	2/0	1 x 25 m	LV 1044
3.5	0	1 x 25 m	LV 1045
2	3/0	1 x 15 m	LV 1023
3	2/0	1 x 15 m	LV 1024
3.5	0	1 x 15 m	LV 1025
4	1	1 x 15 m	LV 1026
5	2	1 x 15 m	LV 1027
6	3 + 4	1 x 15 m	LV 1028

CHIRLAC braided violet

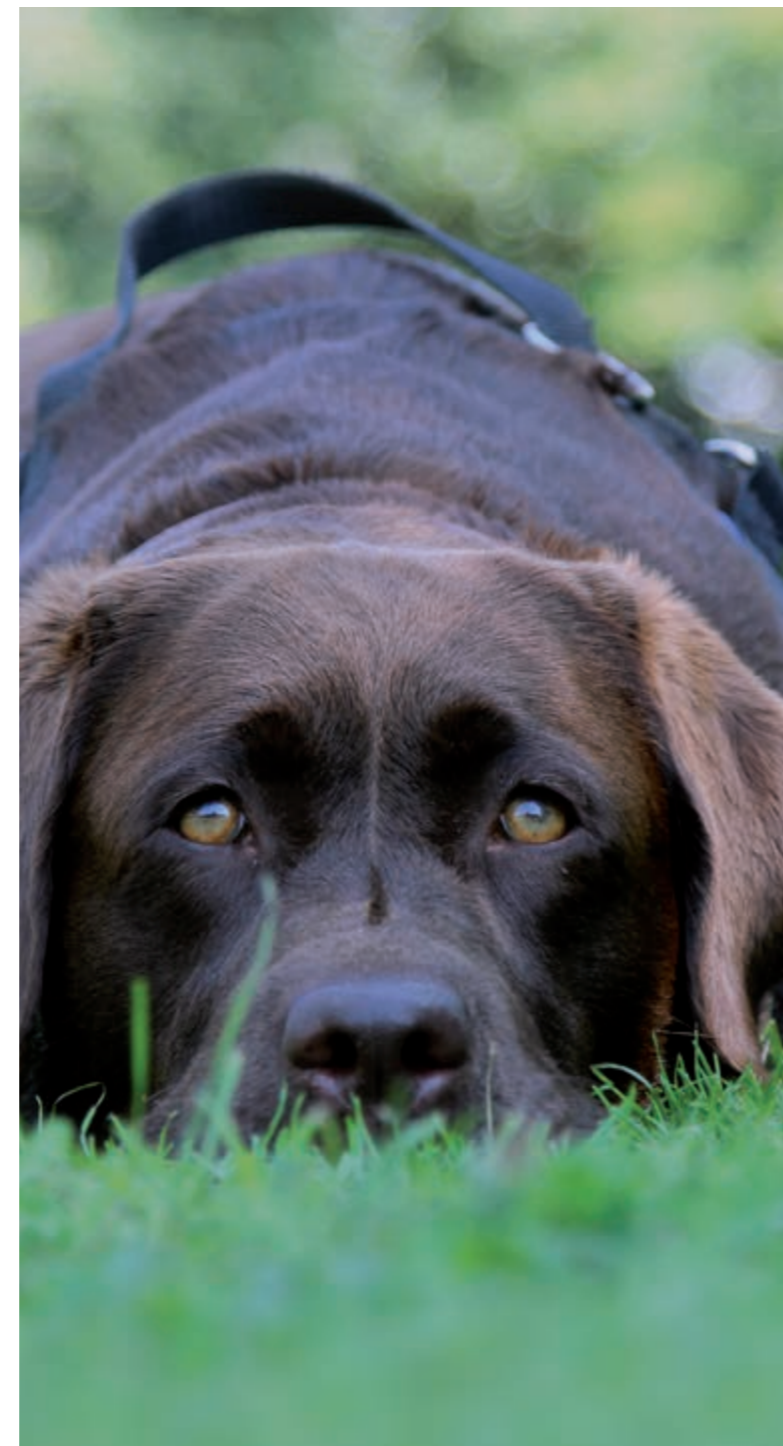
Bottles

EP	USP	Length	Cat. No
2	3/0	1 x 50 m	PG 1013
3	2/0	1 x 50 m	PG 1014
3.5	0	1 x 50 m	PG 1015
4	1	1 x 50 m	PG 1016
5	2	1 x 50 m	PG 1017
6	3 + 4	1 x 50 m	PG 1018
2	3/0	1 x 25 m	PG 1043
3	2/0	1 x 25 m	PG 1044
3.5	0	1 x 25 m	PG 1045
4	1	1 x 25 m	PG 1046
5	2	1 x 25 m	PG 1047
2	3/0	1 x 15 m	PG 1023
3	2/0	1 x 15 m	PG 1024
3.5	0	1 x 15 m	PG 1025
4	1	1 x 15 m	PG 1026
5	2	1 x 15 m	PG 1027
6	3 + 4	1 x 15 m	PG 1028

POLYDOX monofilament violet

Bottles

EP	USP	Length	Cat. No
2	3/0	1 x 50 m	DX 1013
4	1	1 x 50 m	DX 1016
2	3/0	1 x 25 m	DX 1043
3	2/0	1 x 25 m	DX 1044
3.5	0	1 x 25 m	DX 1045



Veterinary

SILON monofilament blue

Bottles

EP	USP	Length	Cat. No
1	5/0	1 x 50 m	SM 0702
1.5	4/0	1 x 50 m	SM 0703
2	3/0	1 x 50 m	SM 0704
3	2/0	1 x 50 m	SM 0705
3.5	0	1 x 50 m	SM 0706
4	1	1 x 50 m	SM 0707
5	2	1 x 50 m	SM 0708
3	2/0	1 x 100 m	SM 0725

TERVALON braided green

Bottles

EP	USP	Length	Cat. No
1.5	4/0	1 x 100 m	TG 0503
2	3/0	1 x 100 m	TG 0504
3	2/0	1 x 100 m	TG 0505
3.5	0	1 x 100 m	TG 0506
4	1	1 x 50 m	TG 0507
5	2	1 x 50 m	TG 0508
6	3 + 4	1 x 50 m	TG 0509
7	5	1 x 25 m	TG 0510
8	6	1 x 25 m	TG 0511

SILON braided white

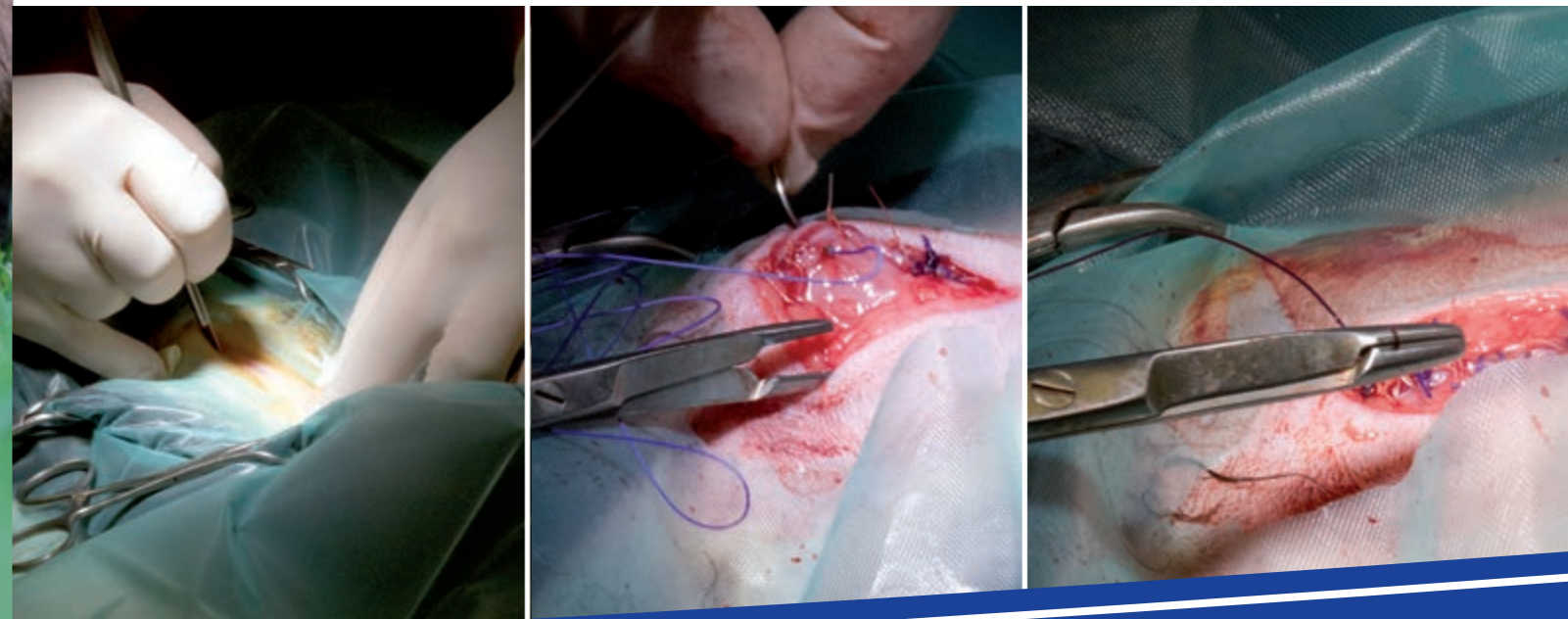
Bottles

EP	USP	Length	Cat. No
1	5/0	1 x 100 m	501 N
1.5	4/0	1 x 100 m	502 N
2	3/0	1 x 100 m	503 N
2.5	-	1 x 100 m	504 N
3	2/0	1 x 100 m	505 N
3.5	0	1 x 100 m	506 N
4	1	1 x 50 m	507 N
5	2	1 x 50 m	508 N
6	3 + 4	1 x 50 m	509 N
7	5	1 x 50 m	510 N

SILK braided black

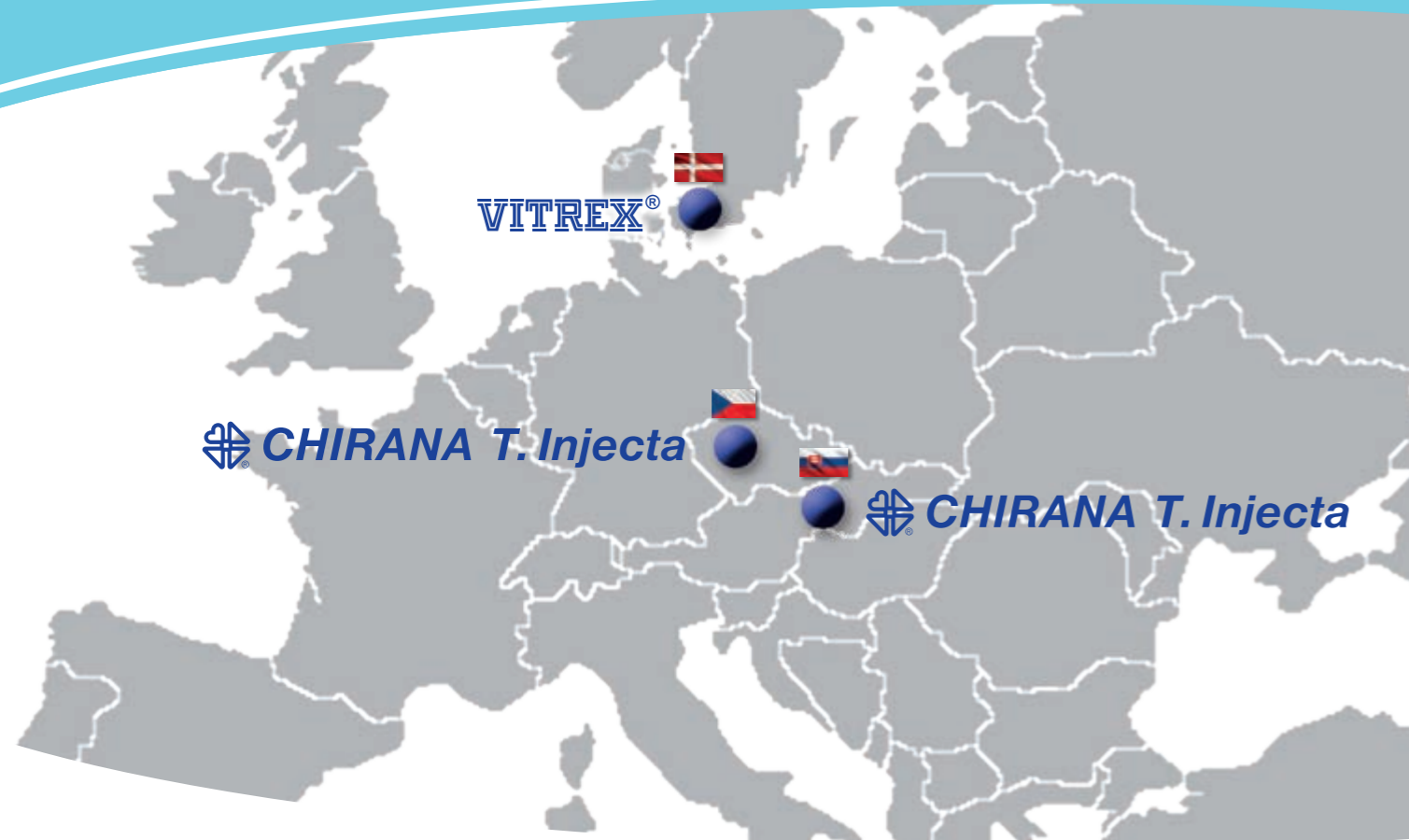
Bottles

EP	USP	Length	Cat. No
1	5/0	1 x 100 m	302 N
1.5	4/0	1 x 100 m	303 N
2	3/0	1 x 100 m	304 N
3	2/0	1 x 100 m	306 N
4	1	1 x 50 m	308 N
5	2	1 x 50 m	309 N
7	5	1 x 25 m	311 N





The CTI group



The CTI group

A constellation of 3 European manufacturers of high quality products for the healthcare sector

The CTI group consists of: CHIRANA T. Injecta in Slovakia, CHIRANA T. Injecta in Czech Republic and Vitrex Medical in Denmark.

The intention of CTI group is to serve as an “umbrella-organization”, where the individual companies collaborate to be “Committed to Innovation” and reach the joint goal:
- to develop, produce and distribute high quality, healthcare products.

CHIRANA T. Injecta, Slovakia

CHIRANA T. Injecta is a global, state of the art manufacturer of healthcare products, which was founded in 1935.

In 1947 CHIRANA T. Injecta started manufacturing glass syringes and they have ever since focused on development and production of high quality, disposable products for the healthcare sector. Through continuously updating production facilities and expanding their product range, they are today supplying:

- Hypodermic syringes
- Perfusion syringes
- Pen and Blood collection needles
- Insulin syringes
- Cannula and lancet needles

CHIRANA T. Injecta, Czech Republic

CHIRANA T. Injecta was founded in 1930. Since the early 1990s they have made substantial investments in upgrading the production resources, enabling the company to offer products in an unique quality.

Their more than 85 years of experience with manufacturing sutures has resulted in top priority within quality control, product development and sutures manufactured in line with state of the art technology. Their present range consist of:

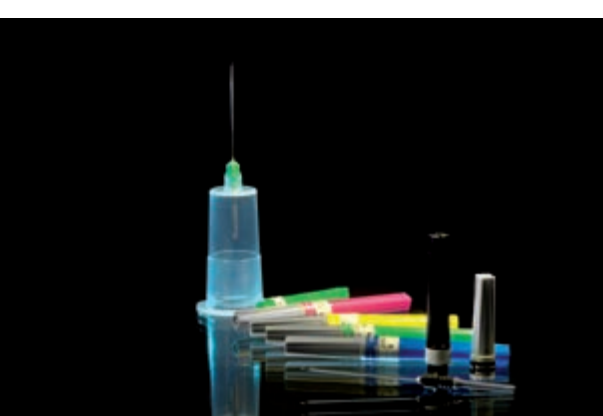
- Surgical Sutures, Ligatures and Meshes
- Veterinary bottles and Eye needles
- Microsurgery and Cardiovascular sutures
- Antibacterial sutures

VITREX Medical, Denmark

Vitrex Medical was founded in 1965 and has since the 1970s mainly focused on supplying to the laboratory and analytical sector.

With more than 50 years of experience Vitrex Medical has become the largest manufacturer of capillary tubes in the world today by developing equipment, establishing technologies, and optimizing production processes. Vitrex Medical currently supplies:

- Capillary tubes and Micro-Hematocrit tubes
- Micro-pipettes
- Safety lancets
- Vacuum tubes and Blood collection needles
- Pen needles and Diabetic lancets



Version UK04

Designed by Vitrex Medical a/s

ref: 20190601KLL04

CHIRANA T. Injecta, s.r.o.

**Komoranska 2148
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