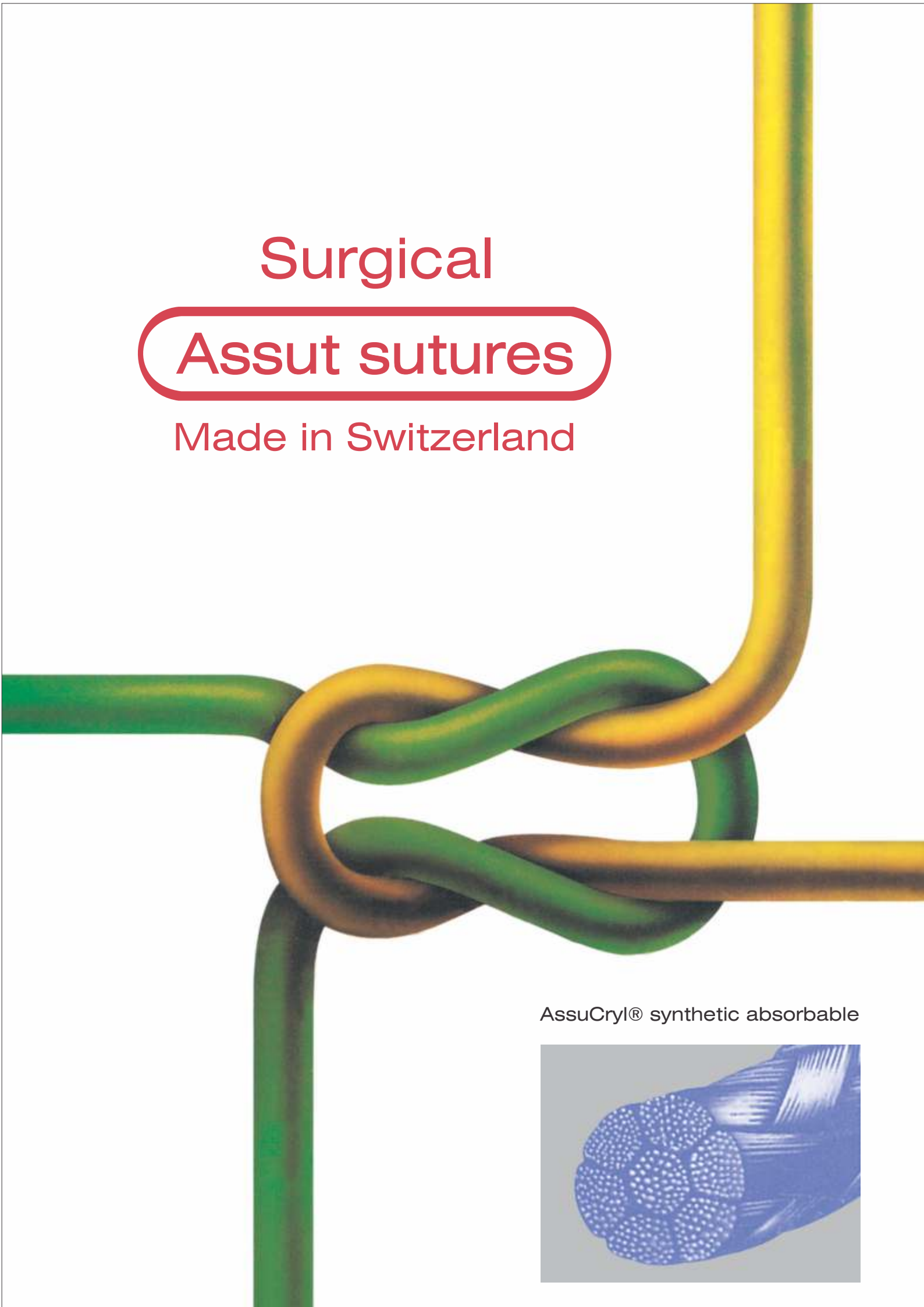


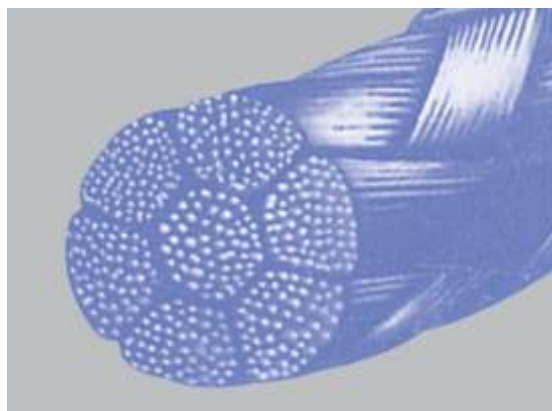
Surgical

Assut sutures

Made in Switzerland



AssuCryl® synthetic absorbable



Assut sutures

Made in Switzerland



www.assutsutures.com



Introduction

Assut Medical Sàrl, with factory located since 1962 in the famous Swiss region of the watch-industry and fine metal technology, is specialized in the manufacturing of atraumatic surgical needles and sterile surgical sutures.

Constantly adapting and enlarging its range of products to meet modern surgery requirements, Assut sutures are designed and made for all surgical specialties and renown world-wide. Assut sutures meet the surgeon's requirements in all surgical procedures.

With a long history providing surgical sutures of the highest quality, you can count on a team of dedicated Personnel, Technicians and Specialists.

The way our products are shown and described hereafter will make it easy for you to choose and order your sutures. Our company is EN ISO 9001/EN ISO 13485 certified. Our production and products are in compliance with the requirements according to the European medical device directive 93/42/EEC and all our sutures are CE-marked.

Assut Medical Sàrl

AT THE SERVICE OF SURGERY

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Assut sutures

Made in Switzerland



— Suture Materials and Colour Codes —

Absorbable



AssuCryl® synthetic absorbable

Braided, coated synthetic absorbable PGA. Predictable absorption time. High initial tensile strength. Easy and secure knotting. Excellent knot sliding and smooth to handle. Violet and undyed (white). Absorption essentially complete between 60 and 90 days.



AssuCryl® Rapid synthetic absorbable

Braided, coated synthetic absorbable PGA. Predictable shorter absorption time. High initial tensile strength. Easy and secure knotting with excellent knot sliding, smooth to handle. Undyed (white) only. Tensile strength loss after 9-11 days and complete between 17-21 days.



AssuCryl® Lactin synthetic absorbable

Braided, coated synthetic absorbable PGLA. Predictable absorption time. High initial tensile strength. Easy and secure knotting. Excellent knot sliding and smooth to handle. Violet and undyed (white). Absorption essentially complete between 56 and 70 days.



AssuCryl® MonoSlow synthetic absorbable

Monofilament synthetic absorbable PDO (Polydioxanone), violet. High initial tensile strength, easy to handle and smooth passage through tissue. Strength retention above 75% after 3 weeks.



Non - Absorbable



Polyester coated/Astralen

Green braided polyester with improved tensile strength and knot security, siliconized. A modern braiding technique gives the strand a smooth and uniform surface that minimizes the trauma.



Polypropylene

Blue monofilament polypropylene is flexible and ties securely. Extremely well tolerated, its smooth and uniform surface allows easy passage through tissue with minimum trauma.



Silk

Black braided surgical silk on twisted core for greater tensile strength. Wax treatment and new braiding technique render the silk uniform and smooth and facilitate its handling.



Supramid

Black monofilament polyamide with supersoft core, resulting in superior pliability and knot security. The uniform and smooth surface permits effortless passage through tissue with minimum trauma. Supramid is extremely well tolerated.



Monofil Nylon/Polyamide

Blue monofilament polyamide with high tensile strength. The uniform and smooth surface permits effortless passage through tissue with minimum trauma. Extremely well tolerated.



Surgical Steel

Twisted stainless steel with very high tensile strength and excellent knot security. This strand causes minimum tissue reaction. Also available monofilament.



Information on Labelling

Symbol

Meaning



Do not re-use. Disposable product



Expiry-date. Use until year/month



Lot Number



Sterilized with Ethylene Oxide



Sterilized with Gamma-Irradiation



See instructions for use



CE Mark of the Notified Body

REF

Product Number



Maximum Temperature °C



Do not use if packaging is damaged

Information on REF

Each Assut product has a REF (Prod.No.) with either 3, 4 or more digits. The prefix or suffix letter(s), if any, refer to the suture material, such as:

Prefix

M	Monofilament
R	Rapid
S	Slow
B	Reel
L	Lactin

Suffix

TE	38 cm long strand
F	45 cm long strand
S	60 cm long strand
	75 cm long strand
N	90 cm long strand
H	100 cm long strand
HT	120 cm long strand
HF	150 cm long strand

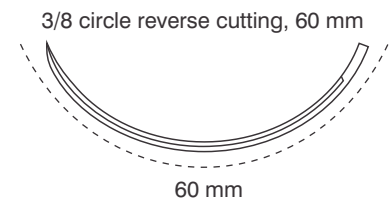
W White (or undyed)

Needle shape and cross-section

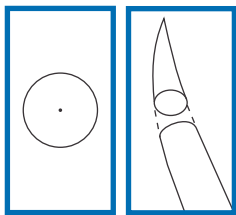
Logical needle codes

The shape, cross-section and length of needles are given by the needle codes, for example TS 60. The first letter refers to the shape of the needle, the second to the cross-section. The number stands for the needle length along the body (mm).

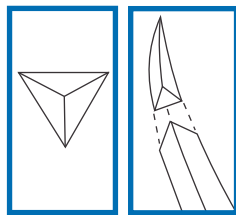
TS 60



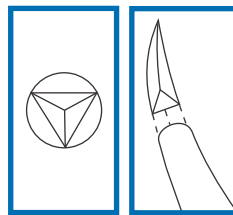
Round-bodied (taper)



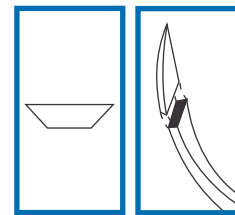
Reverse cutting



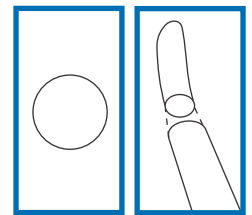
Cutting taper



Spatula



Blunt point



Needle Code	Needle Shape	Cross-section	Symbol
HR	H ½ circle	R Round-Bodied (taper)	
HRG	H ½ circle	R Round-Bodied (taper) G heavy	
HRM	H ½ circle	R Round-Bodied (taper) M Micropoint	
HS	H ½ circle	S Cutting	
HSG	H ½ circle	S Cutting G heavy	
HSP	H ½ circle	SP Spatula	
HSR	H ½ circle	SR Cutting taper	
HSRG	H ½ circle	SR Cutting taper G heavy	
KSP	K 1/4 circle	SP Spatula	
TR	T 3/8 circle	R Round-Bodied (taper)	
TRM	T 3/8 circle	R Round-Bodied (taper) M Micropoint	
TS	T 3/8 circle	S Cutting	
TSP	T 3/8 circle	SP Spatula	
TS-P	T 3/8 circle	S Cutting P Precision Point	
TSR	T 3/8 circle	SR Cutting taper	
RR	R straight	R Round-Bodied (taper)	
RS	R straight	S Cutting	
FR	F 5/8 circle	R Round-Bodied (taper)	
HTT	H ½ circle	TT Blunt-Point	
HMR	HM straight-curved	R Round-Bodied (taper)	
HMS	HM straight-curved	S Cutting	
SKT	SK straight-curved	T Cutting	

Needle-chart

RR-needles 
straight, Round-Bodied (taper)

RR-22

RR-30

RR-45

RR-50

RR-60

TR-needles 
3/8 circle, Round-Bodied (taper)

TR-10

TR-13

TR-17

TR-22

TR-27

TR-32

TR-38

TR-45

TR-55

TR-65

TTT-needle 
3/8 circle, Round-Bodied, Blunt point

TTT-60

TTT-85

HTT-needle 
1/2 circle, Round-Bodied, Blunt point

HTT-50

HRG-needles 
1/2 circle, Round-Bodied (taper) heavy

HRG-22

HRG-27

HRG-32

HRG-38

HRG-40

HRG-50

HRG-65

FR-needles 
5/8 circle, Round-Bodied (taper)

FR-27

FR-38

FR-41

HR-needles 
1/2 circle, Round-Bodied (taper)

HR-8

HR-13

HR-17

HR-20

HR-22

HR-25

HR-27

HR-30

HR-32

HR-35

HR-38

HR-40

HR-45

HR-50

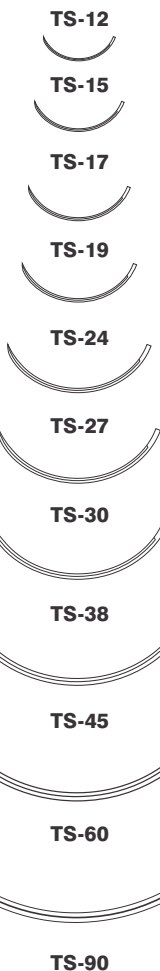
HR-55

HR-65

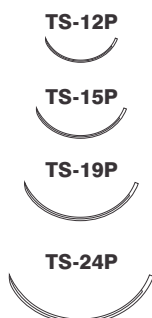
HR-71

HR-95

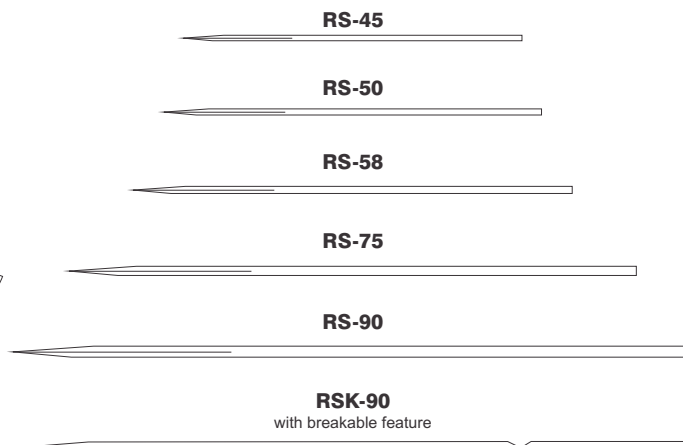
TS-needles
3/8 circle, reverse cutting



TS-P needles
3/8 circle, reverse cutting
Precision Point



RS-needles
straight, cutting



HS-needles
1/2 circle, reverse cutting



HMR-40 **taper**



SKT-30

cutting



HSP-needles
1/2 circle, Spatula

HSP 6

HSP 8

TSP-needles
3/8 circle, Spatula

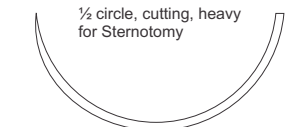
TSP 6

TSP 8

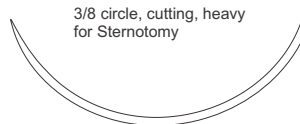
KSP-needles
1/4 circle, Spatula

KSP 8

HCS-50
1/2 circle, cutting, heavy
for Sternotomy



TCS-50
3/8 circle, cutting, heavy
for Sternotomy



TSR-needle
3/8 circle, cutting taper

TSR-14

TSR-27

HSG-needle
1/2 circle, cutting, heavy

HSG-24

HSR-needles
1/2 circle, cutting taper

HSR-18

HSR-27

HSR-38

HSR-65

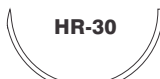
HSRG-needles
1/2 circle, cutting taper, heavy

HSRG-27

HSRG-38

HSRG-45

AssuCryl® (PGA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle taper (Round-Bodied) 	Suffix W: White, undyed		
75 cm 75 cm 75 cm	undyed undyed undyed	HR-13 	6 - 0 5 - 0 4 - 0	0.7 1 1.5	4201W 4202W 4203W
75 cm 75 cm 75 cm 75 cm	violet violet violet violet	HR-17 	5 - 0 4 - 0 3 - 0 2 - 0	1 1.5 2 3	4232 4233 4234 4235
75 cm 75 cm	violet violet	HR-20 	4 - 0 3 - 0	1.5 2	42353 42354
75 cm 75 cm 75 cm	violet violet violet	HR-22 	4 - 0 3 - 0 2 - 0	1.5 2 3	4243 4244 4245
75 cm 75 cm 75 cm 90 cm	violet violet violet violet	HR-25 	4 - 0 3 - 0 2 - 0 2 - 0	1.5 2 3 3	42453 42454 42455 42455N
75 cm 75 cm 75 cm 90 cm 75 cm	violet violet violet violet violet	HR-27 	4 - 0 3 - 0 2 - 0 2 - 0 0	1.5 2 3 3 3.5	4253 4254 4255 4255N 4256
75 cm 75 cm 75 cm 75 cm	violet violet violet violet	HR-30 	3 - 0 2 - 0 0 1	2 3 3.5 4	42554 42555 42556 42557
75 cm 75 cm 75 cm 75 cm	violet violet violet violet	HR-35 	3 - 0 2 - 0 0 1	2 3 3.5 4	42654 42655 42656 42657
75 cm 75 cm 75 cm 90 cm 90 cm 75 cm	violet violet violet violet violet violet	HR-38 	3 - 0 2 - 0 0 0 1 2	2 3 3.5 3.5 4 5	4274 4275 4276 4276N 4277N 4278
75 cm 90 cm 75 cm 90 cm 75 cm 90 cm 75 cm 90 cm	violet violet violet violet violet violet violet violet	HR-40 	2 - 0 2 - 0 0 0 1 1 2 2	3 3 3.5 3.5 4 4 5 5	4285 4285N 4286 4286N 4287 4287N 4288 4288N
75 cm 90 cm 75 cm 90 cm 75 cm 90 cm	violet violet violet violet violet violet	HR-45 	0 0 1 1 2 2	3.5 3.5 4 4 5 5	42856 42856N 42857 42857N 42858 42858N

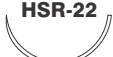
AssuCryl® (PGA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle taper (Round-Bodied) 			
75 cm	violet	 HR-50	2 - 0	3	4295
75 cm	violet		0	3.5	4296
90 cm	violet		0	3.5	4296N
75 cm	violet		1	4	4297
90 cm	violet		1	4	4297N
75 cm	violet		2	5	4298
90 cm	violet		2	5	4298N
75 cm	violet	 HR-65	2 - 0	3	42985
75 cm	violet		0	3.5	42986
75 cm	violet		1	4	42987
		½ circle taper (Round-Bodied), heavy 			
75 cm	violet	 HRG-27	3 - 0	2	4334
75 cm	violet		2 - 0	3	4335
75 cm	violet		0	3.5	4336
75 cm	violet		1	4	4337
75 cm	violet	 HRG-30	2 - 0	3	43325
75 cm	violet		0	3.5	43326
75 cm	violet		1	4	43327
75 cm	violet	 HRG-35	2 - 0	3	43365
75 cm	violet		0	3.5	43366
90 cm	violet		0	3.5	43366N
90 cm	violet		1	4	43367N
75 cm	violet	 HRG-38	2 - 0	3	4345
90 cm	violet		2 - 0	3	4345N
75 cm	violet		0	3.5	4346
90 cm	violet		0	3.5	4346N
75 cm	violet		1	4	4347
90 cm	violet		1	4	4347N
75 cm	violet		2	5	4348
90 cm	violet		2	5	4348N
75 cm	violet	 HRG-40	0	3.5	43416
90 cm	violet		0	3.5	43416N
75 cm	violet		1	4	43417
90 cm	violet		1	4	43417N
75 cm	violet		2	5	43418
90 cm	violet		2	5	43418N
75 cm	violet	 HRG-45	0	3.5	43426
75 cm	violet		1	4	43427
75 cm	violet		2	5	43428
75 cm	violet	 HRG-50	0	3.5	43436
90 cm	violet		0	3.5	43436N
75 cm	violet		1	4	43437
90 cm	violet		1	4	43437N
75 cm	violet		2	5	43438
90 cm	violet		2	5	43438N
90 cm	violet	 HRG-80	1	4	43487N
100 cm	violet		1	4	43487H

AssuCryl® (PGA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle reverse cutting 			
45 cm 75 cm 45 cm 45 cm 45 cm 45 cm	violet violet violet undyed violet violet	HS-17 	5 - 0 4 - 0 4 - 0 4 - 0 3 - 0 2 - 0	1 1.5 1.5 1.5 2 3	4672F 4673 4673F 4673WF 4674F 4675F
45 cm 45 cm	violet violet	HS-21 	4 - 0 3 - 0	1.5 2	46843F 46844F
75 cm 75 cm	violet violet	HS-24 	3 - 0 2 - 0	2 3	4694 4695
75 cm 75 cm 75 cm	violet violet violet	HS-27 	3 - 0 2 - 0 0	2 3 3.5	4704 4705 4706
75 cm 75 cm 75 cm	violet violet violet	HS-30 	2 - 0 0 1	3 3.5 4	4715 4716 4717
75 cm 75 cm 75 cm	violet violet violet	HS-35 	2 - 0 0 1	3 3.5 4	47015 47016 47017
75 cm 75 cm 75 cm	violet violet violet	HS-40 	0 1 2	3.5 4 5	4736 4737 4738
75 cm 75 cm 75 cm	violet violet violet	HS-45 	0 1 2	3.5 4 5	47326 47327 47328
90 cm 90 cm	violet violet	HS-48 	1 2	4 5	47347N 47348N
75 cm 90 cm 75 cm 90 cm 75 cm 90 cm	violet violet violet violet violet violet	HS-52 	0 0 1 1 2 2	3.5 3.5 4 4 5 5	4746 4746N 4747 4747N 4748 4748N

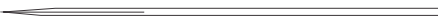
AssuCryl® (PGA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle cutting taper 			
75 cm	violet	HSR-18 	5 - 0	1	4362
75 cm	violet		4 - 0	1.5	4363
75 cm	violet		3 - 0	2	4364
75 cm	violet		2 - 0	3	4365
75 cm	violet	HSR-22 	3 - 0	2	43624
75 cm	violet		2 - 0	3	43625
75 cm	violet	HSR-25 	4 - 0	1.5	43663
75 cm	violet		3 - 0	2	43664
75 cm	violet		2 - 0	3	43665
75 cm	violet	HSR-27 	3 - 0	2	4374
75 cm	violet		2 - 0	3	4375
75 cm	violet		0	3.5	4376
75 cm	violet		1	4	4377
75 cm	violet	HSR-30 	3 - 0	2	43784
75 cm	violet		2 - 0	3	43785
75 cm	violet		0	3.5	43786
75 cm	violet	HSR-35 	0	3.5	43796
75 cm	violet		1	4	43797
75 cm	violet		2	5	43798
75 cm	violet	HSR-38 	2 - 0	3	4385
90 cm	violet		2 - 0	3	4385N
75 cm	violet		0	3.5	4386
90 cm	violet		0	3.5	4386N
		½ circle cutting taper , heavy 			
75 cm	violet	HSRG-27 	2 - 0	3	43755
75 cm	violet		0	3.5	43756
75 cm	violet		1	4	43757
75 cm	violet	HSRG-35 	1	4	43807
90 cm	violet		1	4	43807N
75 cm	violet		2	5	43808
75 cm	violet	HSRG-38 	0	3.5	43856
90 cm	violet		0	3.5	43856N
75 cm	violet		1	4	43857
90 cm	violet		1	4	43857N
75 cm	violet		2	5	43858
90 cm	violet		2	5	43858N
75 cm	violet	HSRG-40 	1	4	43867
75 cm	violet		2	5	43868
75 cm	undyed		1	4	43867W
75 cm	undyed		2	5	43868W
75 cm	violet	HSRG-45 	2 - 0	3	43955
75 cm	violet		0	3.5	43956
75 cm	violet		1	4	43957
75 cm	violet		2	5	43958

AssuCryl® (PGA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		3/8 circle taper (Round-Bodied) 			
45 cm 45 cm 75 cm	violet violet violet	TR-13 	5 - 0 4 - 0 4 - 0	1 1.5 1.5	4422F 4423F 4423
75 cm 75 cm 75 cm	violet violet violet	TR-17 	5 - 0 4 - 0 3 - 0	1 1.5 2	4432 4433 4434
75 cm	violet	TR-30 	2 - 0	3	44555
75 cm	violet	TR-50 	1	4	44757
		3/8 circle, blunt point 			
75 cm 100 cm	violet violet	TTT-65 	1 1	4 4	46427 46427H
75 cm 100 cm 75 cm	violet violet violet	TTT-85 	1 1 2	4 4 5	46467 46467H 46468
		5/8 circle taper (Round-Bodied) 			
75 cm	violet	FR-27 	2 - 0	3	4905
75 cm	violet	FR-38 	2 - 0	3	4925
75 cm	violet	FR-40 	0	3.5	4936

AssuCryl® (PGA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		3/8 circle, reverse cutting 	Suffix W: White, undyed		
45 cm	undyed	TS-12 	6 - 0	0.7	4521WF
45 cm	undyed		5 - 0	1	4522WF
75 cm	violet	TS-15 	6 - 0	0.7	4531
75 cm	violet		5 - 0	1	4532
75 cm	violet		4 - 0	1.5	4533
45 cm	undyed		6 - 0	0.7	4531WF
45 cm	undyed		5 - 0	1	4532WF
45 cm	undyed		4 - 0	1.5	4533WF
45 cm	undyed	TS-17 	5 - 0	1	4542WF
75 cm	undyed		5 - 0	1	4542W
45 cm	undyed		4 - 0	1.5	4543WF
75 cm	undyed		4 - 0	1.5	4543W
45 cm	undyed		3 - 0	2	4544WF
75 cm	undyed		3 - 0	2	4544W
45 cm	undyed	TS-19 	4 - 0	1.5	4553WF
45 cm	undyed		3 - 0	2	4554WF
75 cm	violet		4 - 0	1.5	4553
75 cm	violet		3 - 0	2	4554
75 cm	undyed	TS-24 	4 - 0	1.5	4563W
75 cm	undyed		3 - 0	2	4564W
75 cm	undyed		2 - 0	3	4565W
75 cm	violet		4 - 0	1.5	4563
75 cm	violet		3 - 0	2	4564
75 cm	violet		2 - 0	3	4565
75 cm	undyed	TS-27 	4 - 0	1.5	4573W
75 cm	undyed		3 - 0	2	4574W
75 cm	undyed		2 - 0	3	4575W
75 cm	violet		3 - 0	2	4574
75 cm	violet		2 - 0	3	4575
75 cm	undyed	TS-30 	3 - 0	2	4584W
75 cm	undyed		2 - 0	3	4585W
75 cm	violet		3 - 0	2	4584
75 cm	violet		2 - 0	3	4585
75 cm	violet	TS-38 	3 - 0	2	4594
75 cm	violet		2 - 0	3	4595
75 cm	violet		0	3.5	4596
75 cm	violet		1	4	4597
75 cm	violet		2	5	4598
75 cm	violet	TS-45 	2 - 0	3	4605
75 cm	violet		0	3.5	4606
75 cm	violet		1	4	4607
75 cm	violet		2	5	4608
		3/8 circle, reverse cutting, precision point 			
45 cm	undyed	TS-12P 	6 - 0	0.7	45201WF
45 cm	undyed		5 - 0	1	45202WF
45 cm	undyed	TS-15P 	5 - 0	1	45302WF
45 cm	undyed		4 - 0	1.5	45303WF
45 cm	undyed		3 - 0	2	45304WF
45 cm	undyed	TS-19P 	5 - 0	1	45502WF
45 cm	undyed		4 - 0	1.5	45503WF
45 cm	undyed		3 - 0	2	45504WF
45 cm	undyed	TS-24P 	4 - 0	1.5	45603WF
45 cm	undyed		3 - 0	2	45604WF
45 cm	undyed		2 - 0	3	45605WF
45 cm	undyed	TS-24P 	4 - 0	1.5	45703WF
45 cm	undyed		3 - 0	2	45704WF
45 cm	undyed		2 - 0	3	45705WF
		straight cutting 			
45 cm	undyed	RS-45 	4 - 0	1.5	4823WF
75 cm	undyed	RS-58 	3 - 0	2	4844W
75 cm	undyed		2 - 0	3	4845W
75 cm	violet		3 - 0	2	4844
75 cm	violet		2 - 0	3	4845

AssuCryl® (PGA) braided, coated, synthetic absorbable

Number of Strands x Length	Thread Colour	USP	EP	REF
Pre-cut sutures without needle				
1 x 140 cm	violet	5 - 0	1	40052
1 x 140 cm	violet	4 - 0	1.5	40053
1 x 140 cm	violet	3 - 0	2	40054
1 x 140 cm	violet	2 - 0	3	40055
1 x 140 cm	violet	0	3.5	40056
1 x 140 cm	violet	1	4	40057
1 x 140 cm	violet	2	5	40058
1 x 150 cm	violet	5 - 0	1	40032
1 x 150 cm	violet	4 - 0	1.5	40033
1 x 150 cm	violet	3 - 0	2	40034
1 x 150 cm	violet	2 - 0	3	40035
1 x 150 cm	violet	0	3.5	40036
1 x 150 cm	violet	1	4	40037
1 x 150 cm	violet	2	5	40038
6 x 45 cm	violet	4 - 0	1.5	40093
6 x 45 cm	violet	3 - 0	2	40094
6 x 45 cm	violet	2 - 0	3	40095
6 x 45 cm	violet	0	3.5	40096
6 x 45 cm	violet	1	4	40097
12 x 45 cm	violet	4 - 0	1.5	40523
12 x 45 cm	violet	3 - 0	2	40524
12 x 45 cm	violet	2 - 0	3	40525
12 x 45 cm	violet	0	3.5	40526
12 x 45 cm	violet	1	4	40527
Pre-cut sutures without needle on reel				
1 x 150 cm	violet	5 - 0	1	B40032
1 x 150 cm	violet	4 - 0	1.5	B40033
1 x 150 cm	violet	3 - 0	2	B40034
1 x 150 cm	violet	2 - 0	3	B40035
1 x 150 cm	violet	0	3.5	B40036
1 x 150 cm	violet	1	4	B40037
1 x 150 cm	violet	2	5	B40038
1 x 250 cm	violet	5 - 0	1	B4092
1 x 250 cm	violet	4 - 0	1.5	B4093
1 x 250 cm	violet	3 - 0	2	B4094
1 x 250 cm	violet	2 - 0	3	B4095
1 x 250 cm	violet	0	3.5	B4096
1 x 250 cm	violet	1	4	B4097
1 x 250 cm	violet	2	5	B4098

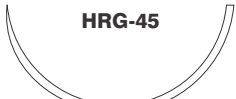
Ophthalmic sutures

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
30 cm 45 cm	violet violet	 2 x TSP 6  Curved, 6,2 mm long, spatula, 150 microns, double-armed	8 - 0 8 - 0	0.4 0.4	484568 484588
30 cm 45 cm 45 cm 30 cm	violet violet violet violet	 2 x TSP 7  Curved, 6,4 mm long, spatula, 200 microns, double-armed	8 - 0 8 - 0 7 - 0 7 - 0	0.4 0.4 0.5 0.5	486668 486688 486687 486667
45 cm 45 cm 45 cm 45 cm 45 cm	violet violet violet violet violet	 2 x KSP 8  1/4 circle, 8mm long, spatula, double-armed	200 Mi 7 - 0 230 Mi 7 - 0 300 Mi 6 - 0 350 Mi 6 - 0 350 Mi 5 - 0	0.5 0.5 0.7 0.7 1	432687 432787 432986 432086 432085

AssuCryl® Lactin (PGLA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		$\frac{1}{2}$ circle taper (Round-Bodied) 	Suffix W: White, undyed		
75 cm 75 cm 75 cm	undyed undyed undyed	HR-13 	6 - 0 5 - 0 4 - 0	0.7 1 1.5	L4201W L4202W L4203W
75 cm 75 cm 75 cm 75 cm	violet violet violet violet	HR-17 	5 - 0 4 - 0 3 - 0 2 - 0	1 1.5 2 3	L4232 L4233 L4234 L4235
75 cm 75 cm	violet violet	HR-20 	4 - 0 3 - 0	1.5 2	L42353 L42354
75 cm 75 cm 75 cm	violet violet violet	HR-22 	4 - 0 3 - 0 2 - 0	1.5 2 3	L4243 L4244 L4245
75 cm 75 cm 75 cm 90 cm	violet violet violet violet	HR-25 	4 - 0 3 - 0 2 - 0 2 - 0	1.5 2 3 3	L42453 L42454 L42455 L42455N
75 cm 75 cm 75 cm 90 cm 75 cm	violet violet violet violet violet	HR-27 	4 - 0 3 - 0 2 - 0 2 - 0 0	1.5 2 3 3 3.5	L4253 L4254 L4255 L4255N L4256
75 cm 75 cm 75 cm 75 cm	violet violet violet violet	HR-30 	3 - 0 2 - 0 0 1	2 3 3.5 4	L42554 L42555 L42556 L42557
75 cm 75 cm 75 cm 75 cm	violet violet violet violet	HR-35 	3 - 0 2 - 0 0 1	2 3 3.5 4	L42654 L42655 L42656 L42657
75 cm 75 cm 75 cm 90 cm 90 cm 75 cm	violet violet violet violet violet violet	HR-38 	3 - 0 2 - 0 0 0 1 2	2 3 3.5 3.5 4 5	L4274 L4275 L4276 L4276N L4277N L4278
75 cm 90 cm 75 cm 90 cm 75 cm 90 cm 75 cm 90 cm	violet violet violet violet violet violet violet violet	HR-40 	2 - 0 2 - 0 0 0 1 1 2 2	3 3 3.5 3.5 4 4 5 5	L4285 L4285N L4286 L4286N L4287 L4287N L4288 L4288N
75 cm 90 cm 75 cm 90 cm 75 cm 90 cm	violet violet violet violet violet violet	HR-45 	0 0 1 1 2 2	3.5 3.5 4 4 5 5	L42856 L42856N L42857 L42857N L42858 L42858N

AssuCryl® Lactin (PGLA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle taper (Round-Bodied) 			
75 cm	violet	 HR-50	2 - 0	3	L4295
75 cm	violet		0	3.5	L4296
90 cm	violet		0	3.5	L4296N
75 cm	violet		1	4	L4297
90 cm	violet		1	4	L4297N
75 cm	violet		2	5	L4298
90 cm	violet		2	5	L4298N
75 cm	violet	 HR-65	2 - 0	3	L42985
75 cm	violet		0	3.5	L42986
75 cm	violet		1	4	L42987
		½ circle taper (Round-Bodied), heavy 			
75 cm	violet	 HRG-27	3 - 0	2	L4334
75 cm	violet		2 - 0	3	L4335
75 cm	violet		0	3.5	L4336
75 cm	violet		1	4	L4337
75 cm	violet	 HRG-30	2 - 0	3	L43325
75 cm	violet		0	3.5	L43326
75 cm	violet		1	4	L43327
75 cm	violet	 HRG-35	2 - 0	3	L43365
75 cm	violet		0	3.5	L43366
90 cm	violet		0	3.5	L43366N
90 cm	violet		1	4	L43367N
75 cm	violet	 HRG-38	2 - 0	3	L4345
90 cm	violet		2 - 0	3	L4345N
75 cm	violet		0	3.5	L4346
90 cm	violet		0	3.5	L4346N
75 cm	violet		1	4	L4347
90 cm	violet		1	4	L4347N
75 cm	violet		2	5	L4348
90 cm	violet		2	5	L4348N
75 cm	violet	 HRG-40	0	3.5	L43416
90 cm	violet		0	3.5	L43416N
75 cm	violet		1	4	L43417
90 cm	violet		1	4	L43417N
75 cm	violet		2	5	L43418
90 cm	violet		2	5	L43418N
75 cm	violet	 HRG-45	0	3.5	L43426
75 cm	violet		1	4	L43427
75 cm	violet		2	5	L43428
75 cm	violet	 HRG-50	0	3.5	L43436
90 cm	violet		0	3.5	L43436N
75 cm	violet		1	4	L43437
90 cm	violet		1	4	L43437N
75 cm	violet		2	5	L43438
90 cm	violet		2	5	L43438N
90 cm	violet	 HRG-80	1	4	L43487N
100 cm	violet		1	4	L43487H

AssuCryl® Lactin (PGLA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle reverse cutting 			
45 cm 75 cm 45 cm 45 cm 45 cm 45 cm	violet violet violet undyed violet violet	HS-17 	5 - 0 4 - 0 4 - 0 4 - 0 3 - 0 2 - 0	1 1.5 1.5 1.5 2 3	L4672F L4673 L4673F L4673WF L4674F L4675F
45 cm 45 cm	violet violet	HS-21 	4 - 0 3 - 0	1.5 2	L46843F L46844F
75 cm 75 cm	violet violet	HS-24 	3 - 0 2 - 0	2 3	L4694 L4695
75 cm 75 cm 75 cm	violet violet violet	HS-27 	3 - 0 2 - 0 0	2 3 3.5	L4704 L4705 L4706
75 cm 75 cm 75 cm	violet violet violet	HS-30 	2 - 0 0 1	3 3.5 4	L4715 L4716 L4717
75 cm 75 cm 75 cm	violet violet violet	HS-35 	2 - 0 0 1	3 3.5 4	L47015 L47016 L47017
75 cm 75 cm 75 cm	violet violet violet	HS-40 	0 1 2	3.5 4 5	L4736 L4737 L4738
75 cm 75 cm 75 cm	violet violet violet	HS-45 	0 1 2	3.5 4 5	L47326 L47327 L47328
90 cm 90 cm	violet violet	HS-48 	1 2	4 5	L47347N L47348N
75 cm 90 cm 75 cm 90 cm 75 cm 90 cm	violet violet violet violet violet violet	HS-52 	0 0 1 1 2 2	3.5 3.5 4 4 5 5	L4746 L4746N L4747 L4747N L4748 L4748N

AssuCryl® Lactin (PGLA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle cutting taper 			
75 cm	violet	HSR-18 	5 - 0	1	L4362
75 cm	violet		4 - 0	1.5	L4363
75 cm	violet		3 - 0	2	L4364
75 cm	violet		2 - 0	3	L4365
75 cm	violet	HSR-22 	3 - 0	2	L43624
75 cm	violet		2 - 0	3	L43625
75 cm	violet	HSR-25 	4 - 0	1.5	L43663
75 cm	violet		3 - 0	2	L43664
75 cm	violet		2 - 0	3	L43665
75 cm	violet	HSR-27 	3 - 0	2	L4374
75 cm	violet		2 - 0	3	L4375
75 cm	violet		0	3.5	L4376
75 cm	violet		1	4	L4377
75 cm	violet	HSR-30 	3 - 0	2	L43784
75 cm	violet		2 - 0	3	L43785
75 cm	violet		0	3.5	L43786
75 cm	violet	HSR-35 	0	3.5	L43796
75 cm	violet		1	4	L43797
75 cm	violet		2	5	L43798
75 cm	violet	HSR-38 	2 - 0	3	L4385
90 cm	violet		2 - 0	3	L4385N
75 cm	violet		0	3.5	L4386
90 cm	violet		0	3.5	L4386N
		½ circle cutting taper , heavy 			
75 cm	violet	HSRG-27 	2 - 0	3	L43755
75 cm	violet		0	3.5	L43756
75 cm	violet		1	4	L43757
75 cm	violet	HSRG-35 	1	4	L43807
90 cm	violet		1	4	L43807N
75 cm	violet		2	5	L43808
75 cm	violet	HSRG-38 	0	3.5	L43856
90 cm	violet		0	3.5	L43856N
75 cm	violet		1	4	L43857
90 cm	violet		1	4	L43857N
75 cm	violet		2	5	L43858
90 cm	violet		2	5	L43858N
75 cm	violet	HSRG-40 	1	4	L43867
75 cm	violet		2	5	L43868
75 cm	undyed		1	4	L43867W
75 cm	undyed		2	5	L43868W
75 cm	violet	HSRG-45 	2 - 0	3	L43955
75 cm	violet		0	3.5	L43956
75 cm	violet		1	4	L43957
75 cm	violet		2	5	L43958

AssuCryl® Lactin (PGLA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		3/8 circle taper (Round-Bodied) 			
45 cm 45 cm 75 cm	violet violet violet	TR-13 	5 - 0 4 - 0 4 - 0	1 1.5 1.5	L4422F L4423F L4423
75 cm 75 cm 75 cm	violet violet violet	TR-17 	5 - 0 4 - 0 3 - 0	1 1.5 2	L4432 L4433 L4434
75 cm	violet	TR-30 	2 - 0	3	L44555
75 cm	violet	TR-50 	1	4	L44757
		3/8 circle, blunt point 			
75 cm 100 cm	violet violet	TTT-65 	1 1	4 4	L46427 L46427H
75 cm 100 cm 75 cm	violet violet violet	TTT-85 	1 1 2	4 4 5	L46467 L46467H L46468
		5/8 circle taper (Round-Bodied) 			
75 cm	violet	FR-27 	2 - 0	3	L4905
75 cm	violet	FR-38 	2 - 0	3	L4925
75 cm	violet	FR-40 	0	3.5	L4936

AssuCryl® Lactin (PGLA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		3/8 circle, reverse cutting 	Suffix W: White, undyed		
45 cm	undyed	TS-12 	6 - 0	0.7	L4521WF
45 cm	undyed		5 - 0	1	L4522WF
75 cm	violet	TS-15 	6 - 0	0.7	L4531
75 cm	violet		5 - 0	1	L4532
75 cm	violet		4 - 0	1.5	L4533
45 cm	undyed		6 - 0	0.7	L4531WF
45 cm	undyed		5 - 0	1	L4532WF
45 cm	undyed		4 - 0	1.5	L4533WF
45 cm	undyed	TS-17 	5 - 0	1	L4542WF
75 cm	undyed		5 - 0	1	L4542W
45 cm	undyed		4 - 0	1.5	L4543WF
75 cm	undyed		4 - 0	1.5	L4543W
45 cm	undyed		3 - 0	2	L4544WF
75 cm	undyed		3 - 0	2	L4544W
45 cm	undyed	TS-19 	4 - 0	1.5	L4553WF
45 cm	undyed		3 - 0	2	L4554WF
75 cm	violet		4 - 0	1.5	L4553
75 cm	violet		3 - 0	2	L4554
75 cm	undyed	TS-24 	4 - 0	1.5	L4563W
75 cm	undyed		3 - 0	2	L4564W
75 cm	undyed		2 - 0	3	L4565W
75 cm	violet		4 - 0	1.5	L4563
75 cm	violet		3 - 0	2	L4564
75 cm	violet		2 - 0	3	L4565
75 cm	undyed	TS-27 	4 - 0	1.5	L4573W
75 cm	undyed		3 - 0	2	L4574W
75 cm	undyed		2 - 0	3	L4575W
75 cm	violet		3 - 0	2	L4574
75 cm	violet		2 - 0	3	L4575
75 cm	undyed	TS-30 	3 - 0	2	L4584W
75 cm	undyed		2 - 0	3	L4585W
75 cm	violet		3 - 0	2	L4584
75 cm	violet		2 - 0	3	L4585
75 cm	violet	TS-38 	3 - 0	2	L4594
75 cm	violet		2 - 0	3	L4595
75 cm	violet		0	3.5	L4596
75 cm	violet		1	4	L4597
75 cm	violet		2	5	L4598
75 cm	violet	TS-45 	2 - 0	3	L4605
75 cm	violet		0	3.5	L4606
75 cm	violet		1	4	L4607
75 cm	violet		2	5	L4608
		3/8 circle, reverse cutting, precision point 			
45 cm	undyed	TS-12P 	6 - 0	0.7	L45201WF
45 cm	undyed		5 - 0	1	L45202WF
45 cm	undyed	TS-15P 	5 - 0	1	L45302WF
45 cm	undyed		4 - 0	1.5	L45303WF
45 cm	undyed		3 - 0	2	L45304WF
45 cm	undyed	TS-19P 	5 - 0	1	L45502WF
45 cm	undyed		4 - 0	1.5	L45503WF
45 cm	undyed		3 - 0	2	L45504WF
45 cm	undyed	TS-24P 	4 - 0	1.5	L45603WF
45 cm	undyed		3 - 0	2	L45604WF
45 cm	undyed		2 - 0	3	L45605WF
45 cm	undyed	TS-24P 	4 - 0	1.5	L45703WF
45 cm	undyed		3 - 0	2	L45704WF
45 cm	undyed		2 - 0	3	L45705WF
		straight cutting 			
45 cm	undyed	RS-45 	4 - 0	1.5	L4823WF
75 cm	undyed	RS-58 	3 - 0	2	L4844W
75 cm	undyed		2 - 0	3	L4845W
75 cm	violet		3 - 0	2	L4844
75 cm	violet		2 - 0	3	L4845

AssuCryl® Lactin (PGLA) braided, coated, synthetic absorbable

Number of Strands x Length	Thread Colour	USP	EP	REF
Pre-cut sutures without needle				
1 x 140 cm	violet	5 - 0	1	L40052
1 x 140 cm	violet	4 - 0	1.5	L40053
1 x 140 cm	violet	3 - 0	2	L40054
1 x 140 cm	violet	2 - 0	3	L40055
1 x 140 cm	violet	0	3.5	L40056
1 x 140 cm	violet	1	4	L40057
1 x 140 cm	violet	2	5	L40058
1 x 150 cm	violet	5 - 0	1	L40032
1 x 150 cm	violet	4 - 0	1.5	L40033
1 x 150 cm	violet	3 - 0	2	L40034
1 x 150 cm	violet	2 - 0	3	L40035
1 x 150 cm	violet	0	3.5	L40036
1 x 150 cm	violet	1	4	L40037
1 x 150 cm	violet	2	5	L40038
6 x 45 cm	violet	4 - 0	1.5	L40093
6 x 45 cm	violet	3 - 0	2	L40094
6 x 45 cm	violet	2 - 0	3	L40095
6 x 45 cm	violet	0	3.5	L40096
6 x 45 cm	violet	1	4	L40097
12 x 45 cm	violet	4 - 0	1.5	L40523
12 x 45 cm	violet	3 - 0	2	L40524
12 x 45 cm	violet	2 - 0	3	L40525
12 x 45 cm	violet	0	3.5	L40526
12 x 45 cm	violet	1	4	L40527
Pre-cut sutures without needle on reel				
1 x 150 cm	violet	5 - 0	1	BL40032
1 x 150 cm	violet	4 - 0	1.5	BL40033
1 x 150 cm	violet	3 - 0	2	BL40034
1 x 150 cm	violet	2 - 0	3	BL40035
1 x 150 cm	violet	0	3.5	BL40036
1 x 150 cm	violet	1	4	BL40037
1 x 150 cm	violet	2	5	BL40038
1 x 250 cm	violet	5 - 0	1	BL4092
1 x 250 cm	violet	4 - 0	1.5	BL4093
1 x 250 cm	violet	3 - 0	2	BL4094
1 x 250 cm	violet	2 - 0	3	BL4095
1 x 250 cm	violet	0	3.5	BL4096
1 x 250 cm	violet	1	4	BL4097
1 x 250 cm	violet	2	5	BL4098

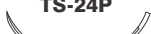
Ophthalmic sutures

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
45 cm	violet	 2 x KSP 8 300 Mi	6 - 0	0.7	L432986
45 cm	violet	 350 Mi	6 - 0	0.7	L432086
45 cm	violet	350 Mi	5 - 0	1	L432085
1/4 circle, 8mm long, spatula, double-armed					

AssuCryl® Rapid (PGA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle taper (Round-Bodied) 			
75 cm 75 cm 75 cm	undyed undyed undyed	HR-17 	5 - 0 4 - 0 3 - 0	1 1.5 2	R4232W R4233W R4234W
75 cm 75 cm 75 cm	undyed undyed undyed	HR-22 	4 - 0 3 - 0 2 - 0	1.5 2 3	R4243W R4244W R4245W
75 cm 75 cm 75 cm	undyed undyed undyed	HR-25 	4 - 0 3 - 0 2 - 0	1.5 2 3	R42453W R42454W R42455W
75 cm 75 cm 75 cm 75 cm	undyed undyed undyed undyed	HR-27 	4 - 0 3 - 0 2 - 0 0	1.5 2 3 3.5	R4253W R4254W R4255W R4256W
75 cm 75 cm 75 cm 75 cm	undyed undyed undyed undyed	HR-30 	3 - 0 2 - 0 0 1	2 3 3.5 4	R42554W R42555W R42556W R42557W
		½ circle taper (Round-Bodied), heavy 			
90 cm 90 cm	undyed undyed	HRG-38 	0 1	3.5 4	R4346WN R4347WN
75 cm 90 cm 75 cm 90 cm 75 cm 90 cm	undyed undyed undyed undyed undyed undyed	HRG-40 	0 0 1 1 2 2	3.5 3.5 4 4 5 5	R43416W R43416WN R43417W R43417WN R43418W R43418WN
75 cm 90 cm 90 cm 90 cm	undyed undyed undyed undyed	HRG-50 	2 - 0 2 - 0 0 1	3 3 3.5 4	R43435W R43435WN R43436WN R43437WN
		½ circle reverse cutting 			
45 cm 45 cm	undyed undyed	HS-21 	4 - 0 3 - 0	1.5 2	R46843WF R46844WF
75 cm	undyed	HS-24 	3 - 0	2	R4694W
75 cm	undyed	HS-27 	2 - 0	3	R4705W
		½ circle cutting taper 			
90 cm 90 cm	undyed undyed	HSR-25 	3 - 0 2 - 0	2 3	R43664WN R43665WN
120 cm 90 cm 90 cm 90 cm	undyed undyed undyed undyed	HSR-35 	2 - 0 2 - 0 0 1	3 3 3.5 4	R43795WHT R43795WN R43796WN R43797WN
90 cm	undyed	HSR-40 	2 - 0	3	R43885WN
90 cm	undyed	HSR-45 	2 - 0	3	R43895WN

AssuCryl® Rapid (PGA) braided, coated, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		3/8 circle, reverse cutting 			
45 cm 45 cm 45 cm	undyed undyed undyed	TS-12 	6 - 0 5 - 0 4 - 0	0.7 1 1.5	R4521WF R4522WF R4523W
45 cm 75 cm 45 cm 75 cm	undyed undyed undyed undyed	TS-17 	4 - 0 4 - 0 3 - 0 3 - 0	1.5 1.5 2 2	R4543WF R4543W R4544WF R4544W
75 cm 75 cm 75 cm	undyed undyed undyed	TS-19 	4 - 0 3 - 0 2 - 0	1.5 2 3	R4553W R4554W R4555W
75 cm 75 cm 75 cm	undyed undyed undyed	TS-24 	4 - 0 3 - 0 2 - 0	1.5 2 3	R4563W R4564W R4565W
75 cm 75 cm	undyed undyed	TS-27 	3 - 0 2 - 0	2 3	R4574W R4575W
75 cm 75 cm	undyed undyed	TS-30 	2 - 0 0	3 3.5	R4585W R4586W
		3/8 circle, reverse cutting, precision point 			
45 cm 45 cm	undyed undyed	TS-12P 	5 - 0 4 - 0	1 1.5	R45202WF R45203WF
75 cm 75 cm	undyed undyed	TS-19P 	4 - 0 3 - 0	1.5 2	R45503W R45504W
75 cm 75 cm	undyed undyed	TS-24P 	3 - 0 2 - 0	2 3	R45604W R45605W
75 cm 75 cm	undyed undyed	TS-27P 	3 - 0 2 - 0	2 3	R45704W R45705W
75 cm 75 cm	undyed undyed	TS-35P 	3 - 0 2 - 0	2 3	R45864W R45865W
		3/8 circle, cutting taper 			
75 cm 75 cm	undyed undyed	TSR-18 	4 - 0 3 - 0	1.5 2	R43913W R43914W
		straight cutting 			
45 cm	undyed	RS-45 	4 - 0	1.5	R4823WF
75 cm 75 cm	undyed undyed	RS-58 	3 - 0 2 - 0	2 3	R4844W R4845W

AssuCryl® MonoSlow (PDO) monofilament, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle taper (Round-Bodied) 			
45 cm 45 cm	violet violet	HR-13 	5 - 0 4 - 0	1 1.5	MS4202F MS4203F
75 cm 90 cm 75 cm 90 cm 75 cm	violet violet violet violet violet	HR-17 	5 - 0 5 - 0 4 - 0 4 - 0 3 - 0	1 1 1.5 1.5 2	MS4232 MS4232N MS4233 MS4233N MS4234
75 cm 75 cm 75 cm	violet violet violet	HR-20 	3 - 0 2 - 0 0	2 3 3.5	MS42354 MS42355 MS42356
75 cm 75 cm 75 cm	violet violet violet	HR-22 	4 - 0 3 - 0 2 - 0	1.5 2 3	MS4243 MS4244 MS4245
75 cm 75 cm 75 cm 75 cm 75 cm	violet violet violet violet violet	HR-25 	4 - 0 3 - 0 2 - 0 0 1	1.5 2 3 3.5 4	MS42453 MS42454 MS42455 MS42456 MS42457
75 cm 75 cm 75 cm	violet violet violet	HR-27 	3 - 0 2 - 0 0	2 3 3.5	MS4254 MS4255 MS4256
90 cm 75 cm 75 cm 75 cm 75 cm	violet violet violet violet violet	HR-30 	3 - 0 3 - 0 2 - 0 0 1	2 2 3 3.5 4	MS42554N MS42554 MS42555 MS42556 MS42557
75 cm 75 cm 75 cm 75 cm	violet violet violet violet	HR-40 	2 - 0 0 1 2	3 3.5 4 5	MS4285 MS4286 MS4287 MS4288
		½ circle taper (Round-Bodied) double-armed			
75 cm 75 cm	violet violet	2 x HR-13 	6 - 0 5 - 0	0.7 1	MS4861 MS4862
		½ circle taper (Round-Bodied), heavy 			
75 cm 75 cm 75 cm	violet violet violet	HRG-27 	2 - 0 0 1	3 3.5 4	MS4335 MS4336 MS4337
90 cm 90 cm 90 cm	violet violet violet	HRG-38 	0 1 2	3.5 4 5	MS4346N MS4347N MS4348N
75 cm 90 cm 150 cm loop 75 cm 90 cm 150 cm loop 75 cm 90 cm	violet violet violet violet violet violet violet violet	HRG-40 	0 0 0 1 1 1 2 2	3.5 3.5 3.5 4 4 4 5 5	MS43416 MS43416N MS43416HF MS43417 MS43417N MS43417HF MS43418 MS43418N
90 cm	violet	HRG-45 	1	4	MS43427N
90 cm 150 cm loop 90 cm 150 cm loop 90 cm	violet violet violet violet violet	HRG-50 	0 0 1 1 2	3.5 3.5 4 4 5	MS43436N MS43436HF MS43437N MS43437HF MS43438N

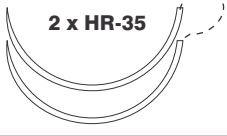
AssuCryl® MonoSlow (PDO) monofilament, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle, reverse cutting 			
45 cm 45 cm	violet violet	HS-21 	3 - 0 2 - 0	2 3	MS46844F MS46845F
75 cm 75 cm 75 cm	violet violet violet	HS-30 	2 - 0 0 1	3 3.5 4	MS4715 MS4716 MS4717
90 cm 90 cm 90 cm	violet violet violet	HS-40 	0 1 2	3.5 4 5	MS4736N MS4737N MS4738N
90 cm 90 cm 90 cm	violet violet violet	HS-52 	0 1 2	3.5 4 5	MS4746N MS4747N MS4748N
		½ circle cutting taper 			
75 cm 75 cm	violet violet	HSR-25 	3 - 0 2 - 0	2 3	MS43664 MS43665
75 cm 75 cm	violet violet	HSR-27 	3 - 0 2 - 0	2 3	MS4374 MS4375
75 cm 90 cm 90 cm	violet violet violet	HSR-35 	2 - 0 0 1	3 3.5 4	MS43795 MS43796N MS43797N
75 cm 90 cm 75 cm 90 cm	violet violet violet violet	HSR-38 	0 0 1 1	3.5 3.5 4 4	MS4386 MS4386N MS4387 MS4387N
		½ circle cutting taper, heavy 			
90 cm 90 cm	violet violet	HSRG-35 	0 1	3.5 4	MS43806N MS43807N
90 cm 90 cm	violet violet	HSRG-40 	0 1	3.5 1	MS43866N MS43867N
		3/8 circle taper (Round-Bodied) double-armed 			
75 cm 75 cm	violet violet	2 x TR-13 	6 - 0 5 - 0	0.7 1	MS4991 MS4992

AssuCryl® MonoSlow (PDO) monofilament, synthetic absorbable

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		3/8 circle reverse cutting 			
45 cm 45 cm 45 cm	violet violet violet	TS-12 	6 - 0 5 - 0 4 - 0	0.7 1 1.5	MS4521F MS4522F MS4523F
75 cm 75 cm 75 cm	violet violet violet	TS-15 	6 - 0 5 - 0 4 - 0	0.7 1 1.5	MS4531 MS4532 MS4533
45 cm 75 cm 45 cm 75 cm	violet violet violet violet	TS-17 	4 - 0 4 - 0 3 - 0 3 - 0	1.5 1.5 2 2	MS4543F MS4543 MS4544F MS4544
45 cm 75 cm 45 cm 75 cm	violet violet violet violet	TS-19 	4 - 0 4 - 0 3 - 0 3 - 0	1.5 1.5 2 2	MS4553F MS4553 MS4554F MS4554
75 cm 75 cm 75 cm	violet violet violet	TS-24 	4 - 0 3 - 0 2 - 0	1.5 2 3	MS4563 MS4564 MS4565
75 cm 75 cm	violet violet	TS-27 	3 - 0 2 - 0	2 3	MS4574 MS4575
75 cm 75 cm 75 cm	violet violet violet	TS-30 	3 - 0 2 - 0 0	2 3 3.5	MS4584 MS4585 MS4586
75 cm 75 cm 75 cm	violet violet violet	TS-38 	3 - 0 2 - 0 0	2 3 3.5	MS4594 MS4595 MS4596
		Straight, cutting 			
75 cm 75 cm 75 cm	violet violet violet	RS-58 	3 - 0 2 - 0 0	2 3 3.5	MS4844 MS4845 MS4846
		3/8 circle reverse cutting Precision Point 			
45 cm 45 cm 45 cm	violet violet violet	TS-12P 	6 - 0 5 - 0 4 - 0	0.7 1 1.5	MS45201F MS45202F MS45203F
45 cm 45 cm 45 cm	violet violet violet	TS-15P 	5 - 0 4 - 0 3 - 0	1 1.5 2	MS45302F MS45303F MS45304F
45 cm 45 cm	violet violet	TS-19P 	4 - 0 3 - 0	1.5 2	MS45503F MS45504F
45 cm 45 cm	violet violet	TS-24P 	4 - 0 3 - 0	1.5 2	MS45603F MS45604F
45 cm	violet	TS-27P 	3 - 0	2	MS45704F
45 cm	violet	TS-35P 	2 - 0	3	MS45865F

Astralen / Polyester braided, coated

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle taper (Round-Bodied) 			
75 cm	green	HR-13 	5 - 0	1	3202
75 cm	green		4 - 0	1.5	3203
75 cm	green		3 - 0	2	3204
75 cm	green	HR-17 	5 - 0	1	3232
75 cm	green		4 - 0	1.5	101
75 cm	green		3 - 0	2	102
75 cm	green		2 - 0	3	3235
75 cm	green	HR-22 	4 - 0	1.5	3243
75 cm	green		3 - 0	2	3244
75 cm	green		2 - 0	3	3245
75 cm	green	HR-27 	4 - 0	1.5	103
75 cm	green		3 - 0	2	104
75 cm	green		2 - 0	3	105
75 cm	green		0	3.5	3256
75 cm	green	HR-32 	3 - 0	2	3264
75 cm	green		2 - 0	3	3265
75 cm	green		0	3.5	3266
75 cm	green		1	4	3267
75 cm	green	HR-38 	3 - 0	2	3274
75 cm	green		2 - 0	3	106
75 cm	green		0	3.5	107
75 cm	green		1	4	3277
75 cm	green		2	5	108
75 cm	green	HR-40 	2 - 0	3	3285
75 cm	green		0	3.5	3286
75 cm	green		1	4	3287
		½ circle taper, heavy 			
75 cm	green	HRG-27 	2 - 0	3	3335
75 cm	green		0	3.5	3336
75 cm	green		1	4	3337
75 cm	green		2	5	3338
75 cm	green	HRG-38 	2 - 0	3	3345
75 cm	green		0	3.5	3346
		½ circle taper, double-armed 			
75 cm	green	2 x HR-17 	4 - 0	1.5	901
90 cm	green		4 - 0	1.5	901N
75 cm	green		3 - 0	2	902
90 cm	green		3 - 0	2	902N
75 cm	green		2 - 0	3	3875
90 cm	green		2 - 0	3	3875N
75 cm	green & white	Multipack 4 sutures per envelope - 2 green & 2 white braided sutures	4 - 0	1.5	CV 901x4
75 cm	green	2 x HR-25 	3 - 0	2	38854
90 cm	green		3 - 0	2	38854N
75 cm	green		2 - 0	3	38855
90 cm	green		2 - 0	3	38855N
75 cm	green	2 x HR-27 	3 - 0	2	903
75 cm	green		2 - 0	3	904
90 cm	green		2 - 0	3	904N
75 cm	green		0	3.5	905
90 cm	green	2 x HR-35 	2 - 0	3	38975N

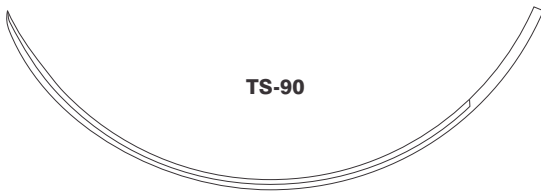
Astralen / Polyester braided, coated

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle, reverse cutting 			
75 cm 75 cm 75 cm 75 cm	green green green green	HS-17 	6 - 0 5 - 0 4 - 0 3 - 0	0.7 1 1.5 2	3671 3672 3673 3674
75 cm 75 cm 75 cm	green green green	HS-19 	4 - 0 3 - 0 2 - 0	1.5 2 3	3683 3684 3685
75 cm 75 cm 75 cm 75 cm	green green green green	HS-24 	4 - 0 3 - 0 2 - 0 0	1.5 2 3 3.5	3693 3694 3695 3696
75 cm	green	HS-27 	2 - 0	3	160
75 cm 75 cm 75 cm	green green green	HS-30 	2 - 0 0 1	3 3.5 4	3715 3716 3717
75 cm 75 cm 75 cm 75 cm	green green green green	HS-38 	2 - 0 0 1 2	3 3.5 4 5	3725 3726 3727 3728
		½ circle, cutting taper 			
75 cm 75 cm 75 cm 75 cm	green green green green	HSR-18 	5 - 0 4 - 0 3 - 0 2 - 0	1 1.5 2 3	3362 3363 3364 3365
75 cm 75 cm	green green	HSR-27 	3 - 0 2 - 0	2 3	3374 3375
75 cm 75 cm	green green	HSR-38 	0 1	3.5 4	3386 3387

Astralen / Polyester braided, coated

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle, cutting taper, double-armed 			
90 cm	green	2 x HSR-18 	5 - 0	1	3942N
90 cm	green		4 - 0	1.5	3943N
90 cm	green		3 - 0	2	3944N
90 cm	green		2 - 0	3	3945N
90 cm	green & white	Multipack 4 sutures per envelope - 2 green & 2 white braided sutures	2 - 0	3	3945Nx4
75 cm	green	2 x HSR-25 	2 - 0	3	39485
90 cm	green		2 - 0	3	39485N
90 cm	green	2 x HSR-27 	3 - 0	2	3954N
90 cm	green		2 - 0	3	3955N
90 cm	green		0	3.5	3956N
90 cm	green & white	Multipack 4 sutures per envelope - 2 green & 2 white braided sutures	2 - 0	3	3955Nx4
		3/8 circle taper (Round-Bodied) 			
75 cm	green	TR-17 	5 - 0	1	123
75 cm	green		4 - 0	1.5	124
75 cm	green		3 - 0	2	125
75 cm	green		2 - 0	3	3435
75 cm	green	TR-22 	5 - 0	1	3442
75 cm	green		4 - 0	1.5	3443
75 cm	green		3 - 0	2	3444
75 cm	green		2 - 0	3	3445
75 cm	green		0	3.5	3446
75 cm	green	TR-27 	2 - 0	3	3455
75 cm	green		0	3.5	3456
75 cm	green		1	4	3457
75 cm	green		2	5	3458
75 cm	green	TR-32 	2 - 0	3	3465
75 cm	green		0	3.5	3466
75 cm	green		1	4	3467
75 cm	green		2	5	3468
75 cm	green		3	6	3469
75 cm	green	TR-38 	2 - 0	3	3475
75 cm	green		0	3.5	3476
75 cm	green		1	4	3477
75 cm	green		2	5	3478
75 cm	green		3	6	3479
		3/8 circle taper (Round-Bodied), double-armed 			
75 cm	green	2 x TR-13 	6 - 0	0.7	906
75 cm	green		5 - 0	1	907
75 cm	green		4 - 0	1.5	3993
75 cm	green	2 x TR-22 	5 - 0	1	31252
75 cm	green		4 - 0	1.5	31253

Astralen / Polyester braided, coated

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		3/8 circle, reverse cutting 			
45 cm 45 cm 45 cm 75 cm	green green green green	TS-12 	6 - 0 5 - 0 4 - 0 4 - 0	0.7 1 1.5 1.5	132F 133F 134F 134
45 cm 75 cm 75 cm	green green green	TS-17 	5 - 0 5 - 0 4 - 0	1 1 1.5	135F 135 136
75 cm 75 cm 75 cm 75 cm 75 cm 75 cm	green green green green green green	TS-19 	6 - 0 5 - 0 4 - 0 3 - 0 2 - 0 0	0.7 1 1.5 2 3 3.5	3551 137 138 139 3555 3556
75 cm 75 cm 75 cm 75 cm	green green green green	TS-24 	4 - 0 3 - 0 2 - 0 0	1.5 2 3 3.5	140 141 142 3566
75 cm 75 cm 75 cm 75 cm	green green green green	TS-27 	4 - 0 3 - 0 2 - 0 0	1.5 2 3 3.5	143 144 145 3576
75 cm 75 cm 75 cm 75 cm	green green green green	TS-30 	3 - 0 2 - 0 0 1	2 3 3.5 4	146 147 3586 3587
75 cm 75 cm 75 cm 75 cm 75 cm 75 cm	green green green green green green	TS-38 	3 - 0 2 - 0 0 1 2 3	2 3 3.5 4 5 6	148 149 3596 3597 3598 3599
75 cm 75 cm 75 cm 75 cm	green green green green	TS-45 	0 1 2 3	3.5 4 5 6	3606 3607 3608 3609
100 cm	green	TS-90 	1	4	36257H
		straight cutting 			
75 cm 75 cm 75 cm 75 cm 75 cm	green green green green green	RS-50 	3 - 0 2 - 0 0 1 2	2 3 3.5 4 5	3834 3835 3836 3837 3838
75 cm	green	RS-58 	2 - 0	3	3845

Astralen / Polyester braided, coated

Ophthalmic sutures

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
45 cm 45 cm	green white	 2 x HSP 8  1/2 Circle, 8 mm long, spatula, 350 Microns, double-armed	5 - 0 5 - 0	1 1	322085 322085W
45 cm 45 cm	green white	 2 x KSP 8  1/4 Circle, 8 mm long, spatula, 350 Microns, double-armed	5 - 0 5 - 0	1 1	332085 332085W

Astralen

Polyester braided white and green, coated, for valve replacement

1/2 circle taper (Round-Bodied), double-armed 					
Needle Code	Thread Colour	USP	EP	Length	REF
 2 x HR-17	green & white	2 - 0 5 green & 5 white braided sutures with 3x7x1.5mm oval firm pledget	3	75 cm	CV 3875-37x10
	green & white	2 - 0 5 green & 5 white braided sutures with 3x5x1.5mm oval firm pledget	3	75 cm	CV 3875-35x10
	green & white	2 - 0 5 green & 5 white braided sutures with 3x3x1.5mm oval firm pledget	3	75 cm	CV 3875-33x10
	green & white	2 - 0 5 green & 5 white braided sutures	3	75 cm	CV 3875x10
 2 x HR-25	green & white	2 - 0 5 green & 5 white braided sutures with 3x7x1.5mm oval firm pledget	3	75 cm	CV 38855-37x10
	green & white	2 - 0 5 green & 5 white braided sutures	3	75 cm	CV 38855x10
	green & white	2 - 0 5 green & 5 white braided sutures	3	90 cm	CV 38855Nx10
1/2 circle, cutting taper, double-armed 					
Needle Code	Thread Colour	USP	EP	Length	REF
 2 x HSR-18	green & white	2 - 0 5 green & 5 white braided sutures with 3x7x1.5mm oval firm pledget	3	75 cm	CV 3945-37x10
	green & white	2 - 0 5 green & 5 white braided sutures with 3x3x1.5mm oval firm pledget	3	75 cm	CV 3945-33x10
	green & white	2 - 0 3 green & 3 white braided sutures with 2x4x1.5mm rectangular firm pledget	3	75 cm	CV 3945-24x6
	green & white	2 - 0 5 green & 5 white braided sutures	3	75 cm	CV 3945x10
 2 x HSR-25	green & white	2 - 0 5 green & 5 white braided sutures with 3x7x1.5mm oval firm pledget	3	75 cm	CV 39485-37x10
	green & white	2 - 0 5 green & 5 white braided sutures	3	75 cm	CV 39485x10

Silk black braided

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		1/2 circle taper (Round-Bodied) 			
75 cm 75 cm	black black	HR-13 	5 - 0 4 - 0	1 1.5	601 602
75 cm 75 cm 75 cm 75 cm 75 cm	black black black black black	HR-17 	6 - 0 5 - 0 4 - 0 3 - 0 2 - 0	0.7 1 1.5 2 3	6231 603 604 605 6235
75 cm 75 cm 75 cm	black black black	HR-20 	4 - 0 3 - 0 2 - 0	1.5 2 3	62353 62354 62355
75 cm 75 cm 75 cm 75 cm 75 cm 75 cm	black black black black black black	HR-22 	6 - 0 5 - 0 4 - 0 3 - 0 2 - 0 0	0.7 1 1.5 2 3 3.5	6241 6242 606 607 6245 6246
75 cm 75 cm 75 cm	black black black	HR-25 	4 - 0 3 - 0 2 - 0	1.5 2 3	62453 62454 62455
75 cm 75 cm 75 cm 75 cm 75 cm 75 cm	black black black black black black	HR-27 	4 - 0 3 - 0 2 - 0 0 1 2	1.5 2 3 3.5 4 5	608 609 610 6256 6257 6258
75 cm 75 cm 75 cm 75 cm	black black black black	HR-30 	3 - 0 2 - 0 0 1	2 3 3.5 4	62554 62555 62556 62557
75 cm 75 cm 75 cm 75 cm 75 cm 75 cm	black black black black black black	HR-32 	3 - 0 2 - 0 0 1 2 3	2 3 3.5 4 5 6	6264 6265 6266 6267 6268 6269
75 cm 75 cm 75 cm	black black black	HR-35 	2 - 0 0 1	3 3.5 4	62655 62656 62657
75 cm 75 cm 75 cm 75 cm 75 cm 75 cm	black black black black black black	HR-38 	3 - 0 2 - 0 0 1 2 3	2 3 3.5 4 5 6	611 612 613 6277 6278 6279

Silk black braided

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		1/2 circle taper (Round-Bodied) 			
75 cm	black	 HR-40	2 - 0	3	6285
75 cm	black		0	3	6286
75 cm	black		1	3	6287
75 cm	black		2	3	6288
75 cm	black	 HR-50	2 - 0	3	6295
75 cm	black		0	3.5	6296
75 cm	black		1	4	6297
75 cm	black		2	5	6298
100 cm	black	 HR-55	2 - 0	3	6305H
100 cm	black		0	3.5	6306H
75 cm	black	 HR-65	1	4	6317
75 cm	black		2	5	6318
75 cm	black		3	6	6319
		1/2 circle taper (Round-Bodied), heavy 			
75 cm	black	 HRG-32	1	4	63357
75 cm	black	 HRG-38	2 - 0	3	6345
75 cm	black		0	3.5	6346
75 cm	black		1	4	6347
75 cm	black		2	5	6348
		1/2 circle, reverse cutting 			
45 cm	black	 HS-12	5 - 0	1	6652F
45 cm	black		4 - 0	1.5	6653F
75 cm	black	 HS-17	5 - 0	1	6672
75 cm	black		4 - 0	1.5	6673
75 cm	black		3 - 0	2	6674
75 cm	black		2 - 0	3	6675
75 cm	black	 HS-19	5 - 0	1	6682
75 cm	black		4 - 0	1.5	6683
75 cm	black		3 - 0	2	6684
75 cm	black		2 - 0	3	6685
75 cm	black	 HS-21	4 - 0	1.5	66843
75 cm	black		3 - 0	2	66844
45 cm	black		3 - 0	2	66844F
75 cm	black		2 - 0	3	66845
75 cm	black	 HS-22	3 - 0	2	66864
45 cm	black		3 - 0	2	66864F
75 cm	black	 HS-23	3 - 0	2	66904

Silk black braided

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle, reverse cutting 			
75 cm 75 cm 75 cm 75 cm 75 cm	black black black black black	HS-24 	5 - 0 4 - 0 3 - 0 2 - 0 0	1 1.5 2 3 3.5	6692 6693 6694 6695 6696
75 cm 75 cm 75 cm 75 cm	black black black black	HS-30 	3 - 0 2 - 0 0 1	2 3 3.5 4	6714 6715 6716 6717
75 cm 75 cm 75 cm 75 cm 75 cm	black black black black black	HS-38 	2 - 0 0 1 2 3	3 3.5 4 5 6	6725 6726 6727 6728 6729
75 cm 75 cm	black black	HS-52 	0 1	3.5 4	6746 6747
		½ circle cutting taper 			
75 cm 75 cm 75 cm	black black black	HSR-18 	5 - 0 4 - 0 3 - 0	1 1.5 2	621 622 623
75 cm 75 cm 75 cm	black black black	HSR-27 	4 - 0 3 - 0 2 - 0	1.5 2 3	624 625 626
		½ circle cutting taper, heavy 			
75 cm	black	HSRG-27 	2 - 0	3	63715
		3/8 circle taper (Round-Bodied) 			
75 cm 75 cm 75 cm 75 cm	black black black black	TR-13 	6 - 0 5 - 0 4 - 0 3 - 0	0.7 1 1.5 2	632 633 6423 6424

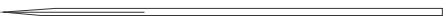
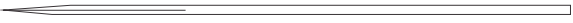
Silk black braided

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		3/8 circle, taper (Round-Bodied) 			
75 cm	black	TR-17 	5 - 0	1	634
75 cm	black		4 - 0	1.5	635
75 cm	black		3 - 0	2	636
75 cm	black		2 - 0	3	6435
75 cm	black	TR-22 	5 - 0	1	6442
75 cm	black		4 - 0	1.5	6443
75 cm	black		3 - 0	2	6444
75 cm	black		2 - 0	3	6445
75 cm	black		0	3.5	6446
75 cm	black	TR-27 	3 - 0	2	6454
75 cm	black		2 - 0	3	6455
75 cm	black		0	3.5	6456
75 cm	black		1	4	6457
75 cm	black	TR-32 	3 - 0	2	6464
75 cm	black		2 - 0	3	6465
75 cm	black		0	3.5	6466
75 cm	black		1	4	6467
75 cm	black		2	5	6468
75 cm	black	TR-38 	2 - 0	3	6475
75 cm	black		0	3.5	6476
75 cm	black		1	4	6477
75 cm	black		2	5	6478
		3/8 circle, reverse cutting 			
45 cm	black	TS-12 	6 - 0	0.7	643F
45 cm	black		5 - 0	1	644F
75 cm	black		5 - 0	1	644
45 cm	black		4 - 0	1.5	645F
75 cm	black		4 - 0	1.5	645
75 cm	black	TS-15 	6 - 0	0.7	6531
75 cm	black		5 - 0	1	6532
75 cm	black		4 - 0	1.5	6533
75 cm	black		3 - 0	2	6534
75 cm	black		2 - 0	3	6535
75 cm	black	TS-17 	6 - 0	0.7	659
75 cm	black		5 - 0	1	660
75 cm	black		4 - 0	1.5	6543
75 cm	black		3 - 0	2	6544
75 cm	black		2 - 0	3	6545
75 cm	black	TS-19 	5 - 0	1	646
75 cm	black		4 - 0	1.5	647
75 cm	black		3 - 0	2	648
75 cm	black		2 - 0	3	6555
75 cm	black	TS-22 	3 - 0	2	65544
75 cm	black	TS-24 	4 - 0	1.5	649
75 cm	black		3 - 0	2	650
75 cm	black		2 - 0	3	651
75 cm	black		0	3.5	6566

Silk black braided

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		3/8 circle, reverse cutting 			
75 cm	black	TS-27 	4 - 0	1.5	652
75 cm	black		3 - 0	2	653
75 cm	black		2 - 0	3	654
75 cm	black		0	3.5	6576
75 cm	black		1	4	6577
75 cm	black	TS-30 	4 - 0	1.5	6583
75 cm	black		3 - 0	2	655
75 cm	black		2 - 0	3	656
75 cm	black		0	3.5	6586
75 cm	black		1	4	6587
75 cm	black	TS-35 	3 - 0	2	65854
75 cm	black		2 - 0	3	65855
75 cm	black		0	3.5	65856
75 cm	black		1	4	65857
75 cm	black	TS-38 	3 - 0	2	657
75 cm	black		2 - 0	3	658
75 cm	black		0	3.5	6596
75 cm	black		1	4	6597
75 cm	black	TS-45 	0	3.5	6606
75 cm	black		1	4	6607
75 cm	black		2	5	6608
75 cm	black	TS-60 	0	3.5	6626
75 cm	black		1	4	6627
75 cm	black		2	5	6628
100 cm	black	TS-90 	2 - 0	3	66255H
100 cm	black		0	3.5	66256H
100 cm	black		1	4	66257H
100 cm	black		2	5	66258H
		3/8 circle reverse cutting, double-armed 			
45 cm	black	2 x TS-12 	6 - 0	0.7	947F
45 cm	black		5 - 0	1	948F
45 cm	black		4 - 0	1.5	949F
38 cm	black	2 x TS-17 	5 - 0	1	6152TE
38 cm	black		4 - 0	1.5	6153TE
38 cm	black		3 - 0	2	6154TE

Silk black braided

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		straight cutting 			
75 cm	black	RS-50 	4 - 0	1.5	6833
75 cm	black		3 - 0	2	6834
75 cm	black		2 - 0	3	6835
75 cm	black		0	3.5	6836
75 cm	black	RS-58 	2 - 0	3	6845
75 cm	black		0	3.5	6846
75 cm	black		1	4	6847
100 cm	black	RS-75 	2 - 0	3	6855H
100 cm	black		0	3.5	6856H
100 cm	black		1	4	6857H

Ophthalmic sutures

Micropoint-Spatula needles on Blue Virgin Silk

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
30 cm	blue	2 x TSP 6  Curved, 6,2 mm long, spatula, 150 microns, double-armed	8 - 0	0.4	684568
45 cm	blue	2 x TSP 7  Curved, 6,4 mm long, spatula, 200 microns, double-armed	8 - 0	0.4	686688
30 cm	blue	2 x HSP 8  ½ circle, 8 mm long, spatula, 200 microns, double-armed	8 - 0	0.4	622668

Assut sutures

Silk black braided

Pre-cut sutures without needle

Number of Strands x Length	Thread Colour	USP	EP	REF
1 x 100 cm	black	6 - 0	0.7	691
1 x 100 cm	black	5 - 0	1	692
1 x 100 cm	black	4 - 0	1.5	693
1 x 100 cm	black	3 - 0	2	694
1 x 100 cm	black	2 - 0	3	695
1 x 100 cm	black	0	3.5	696
1 x 100 cm	black	1	4	697
1 x 100 cm	black	2	5	698
1 x 100 cm	black	3	6	699
1 x 150 cm	black	3 - 0	2	60034
1 x 150 cm	black	2 - 0	3	60035
1 x 150 cm	black	0	3.5	60036
1 x 180 cm	black	4 - 0	1.5	60043
1 x 180 cm	black	3 - 0	2	60044
1 x 180 cm	black	2 - 0	3	60045
1 x 180 cm	black	0	3.5	60046
1 x 180 cm	black	1	4	60047
5 x 75 cm	black	4 - 0	1.5	681
5 x 75 cm	black	3 - 0	2	682
5 x 75 cm	black	2 - 0	3	683
5 x 75 cm	black	0	3.5	684
5 x 75 cm	black	1	4	685
17 x 50 cm	black	5 - 0	1	671
17 x 50 cm	black	4 - 0	1.5	672
17 x 50 cm	black	3 - 0	2	673
17 x 50 cm	black	2 - 0	3	674
17 x 50 cm	black	0	3.5	675
17 x 50 cm	black	1	4	676
17 x 50 cm	black	2	5	677
13 x 60 cm	black	6 - 0	0.7	60001
13 x 60 cm	black	5 - 0	1	60002
13 x 60 cm	black	4 - 0	1.5	60003
13 x 60 cm	black	3 - 0	2	60004
13 x 60 cm	black	2 - 0	3	60005
13 x 60 cm	black	0	3.5	60006
13 x 60 cm	black	1	4	60007
13 x 60 cm	black	2	5	60008

Assut sutures

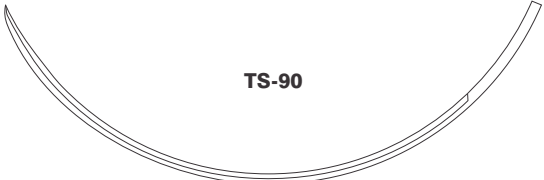
Monofil Nylon / Polyamide blue

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle taper (Round-Bodied) 			
75 cm 75 cm 75 cm 100 cm 100 cm 100 cm	blue blue blue blue blue blue	HR-30 	2 - 0 0 1 2 - 0 0 1	3 3.5 4 3 3.5 4	52555 52556 52557 52555H 52556H 52557H
100 cm 100 cm 100 cm	blue blue blue	HR-32 	2 - 0 0 1	3 3.5 4	5265H 5266H 5267H
100 cm 100 cm	blue blue	HR-38 	0 1	3.5 4	5276H 5277H
75 cm 75 cm 100 cm 100 cm	blue blue blue blue	HR-40 	0 1 0 1	3.5 4 3.5 4	5286 5287 5286H 5287H
75 cm 75 cm 100 cm 100 cm	blue blue blue blue	HR-45 	0 1 0 1	3.5 4 3.5 4	52856 52857 52856H 52857H
100 cm 100 cm	blue blue	HR-50 	1 2	4 5	5297H 5298H
		½ circle taper (Round-Bodied), heavy 			
150 cm Loop 150 cm Loop	blue blue	HRG-32 	2 - 0 0	3 3.5	53355HF 53356HF
150 cm Loop 150 cm Loop 150 cm Loop	blue blue blue	HRG-38 	2 - 0 0 1	3 3.5 4	5345HF 5346HF 5347HF
150 cm Loop 150 cm Loop 150 cm Loop	blue blue blue	HRG-40 	2 - 0 0 1	3 3.5 4	53415HF 53416HF 53417HF
150 cm Loop 150 cm Loop	blue blue	HRG-50 	0 1	3.5 4	53436HF 53437HF

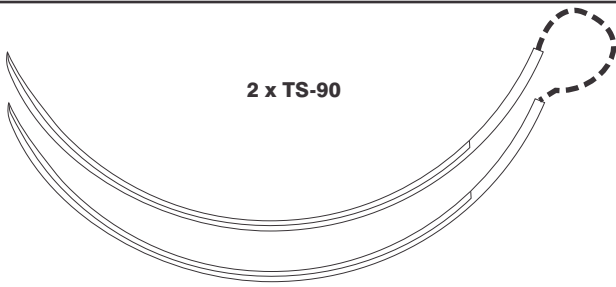
Monofil Nylon / Polyamide blue

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle, reverse cutting 			
75 cm 75 cm 75 cm	blue blue blue	HS-17 	5 - 0 4 - 0 3 - 0	1 1.5 2	5672 5673 5674
75 cm 75 cm	blue blue	HS-19 	4 - 0 3 - 0	1.5 2	5683 5684
75 cm 75 cm 45 cm 75 cm	blue blue blue blue	HS-21 	4 - 0 3 - 0 3 - 0 2 - 0	1.5 2 2 3	56843 56844 56844F 56845
75 cm 75 cm	blue blue	HS-24 	3 - 0 2 - 0	2 3	5694 5695
75 cm 75 cm 75 cm	blue blue blue	HS-30 	3 - 0 2 - 0 0	2 3 3.5	5714 5715 5716
75 cm 75 cm 75 cm 75 cm	blue blue blue blue	HS-38 	3 - 0 2 - 0 0 1	2 3 3.5 4	5724 5725 5726 5727
100 cm 100 cm	blue blue	HS-52 	0 1	3.5 4	5746H 5747H

Monofil Nylon / Polyamide blue

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		3/8 circle, reverse cutting 			
45 cm 45 cm 45 cm	blue blue blue	TS-12 	6 - 0 5 - 0 4 - 0	0.7 1 1.5	501F 502F 503F
75 cm 75 cm 75 cm	blue blue blue	TS-15 	6 - 0 5 - 0 4 - 0	0.7 1 1.5	5531 5532 5533
75 cm 75 cm 75 cm 75 cm	blue blue blue blue	TS-17 	5 - 0 4 - 0 3 - 0 2 - 0	1 1.5 2 3	504 505 5544 5545
75 cm 75 cm 75 cm 75 cm	blue blue blue blue	TS-19 	5 - 0 4 - 0 3 - 0 2 - 0	1 1.5 2 3	506 507 508 5555
75 cm 75 cm 75 cm	blue blue blue	TS-24 	4 - 0 3 - 0 2 - 0	1.5 2 3	509 510 5565
75 cm 75 cm 75 cm	blue blue blue	TS-27 	4 - 0 3 - 0 2 - 0	1.5 2 3	511 512 5575
75 cm 75 cm 75 cm	blue blue blue	TS-30 	3 - 0 2 - 0 0	2 3 3.5	513 514 5586
75 cm 75 cm 75 cm 75 cm	blue blue blue blue	TS-38 	3 - 0 2 - 0 0 1	2 3 3.5 4	515 516 5596 5597
75 cm 100 cm 75 cm 75 cm	blue blue blue blue	TS-45 	2 - 0 2 - 0 0 1	3 3 3.5 4	517 517H 5606 5607
75 cm 100 cm 75 cm 75 cm	blue blue blue blue	TS-60 	2 - 0 2 - 0 0 1	3 3 3.5 4	5625 5625H 5626 5627
100 cm 100 cm 100 cm 100 cm	blue blue blue blue	TS-90 	2 - 0 0 1 2	3 3.5 4 5	56255H 56256H 56257H 56258H

Monofil Nylon / Polyamide blue

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		3/8 circle cutting, double-armed 			
100 cm 100 cm	blue blue	 2 x TS-90	0 1	3.5 4	51796H 51797H
		straight cutting 			
75 cm 75 cm 75 cm	blue blue blue	 RS-50	3 - 0 2 - 0 0	2 3 3.5	5834 5835 5836
75 cm 75 cm 100 cm 75 cm	blue blue blue blue	 RS-58	3 - 0 2 - 0 2 - 0 0	2 3 3 3.5	5844 5845 5845H 5846

Ophthalmic sutures

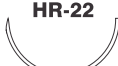
Black Monofilament Nylon

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
30 cm	black	2 x TSP 6  Curved, 6,2 mm long, spatula 150 microns, double armed	10 - 0	0.2	584560
30 cm 30 cm	black black	2 x TSP 7  Curved, 6,4 mm long, spatula 200 microns, double armed	10 - 0 9 - 0	0.2 0.3	586660 586669

Microsurgical sutures

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
13 cm	black	TRM 4  Curved, chord 3 mm, 4 mm long, taper 100 microns, Micropoint	10 - 0	0.2	541320
13 cm	black	TRM 5  Curved, chord 3 mm, 5 mm long, taper 100 microns, Micropoint	10 - 0	0.2	543320
13 cm	black	RRM 4  Straight, 4 mm long, taper 75 microns, Micropoint	10 - 0	0.2	535220

Polypropylene blue

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF	
		½ circle taper (Round-Bodied) 				
75 cm	blue	HR-13 	5 - 0	1	9202	
75 cm	blue	HR-17 	5 - 0	1	9232	
75 cm	blue		4 - 0	1.5	9233	
75 cm	blue		3 - 0	2	9234	
75 cm	blue	HR-20 	3 - 0	2	92354	
75 cm	blue	HR-22 	4 - 0	1.5	9243	
75 cm	blue		3 - 0	2	9244	
75 cm	blue	HR-25 	3 - 0	2	92454	
75 cm	blue		2 - 0	3	92455	
75 cm	blue		0	3.5	92456	
75 cm	blue	HR-27 	3 - 0	2	9254	
75 cm	blue		2 - 0	3	9255	
75 cm	blue		0	3.5	9256	
75 cm	blue	HR-30 	0	3.5	92556	
75 cm	blue		1	4	92557	
75 cm	blue	HR-40 	0	3.5	9286	
75 cm	blue		1	4	9287	
		½ circle taper (Round-Bodied), heavy 				
75 cm	blue	HRG-38 	0	3.5	9346	
75 cm	blue		1	4	9347	
100 cm	blue		1	4	9347H	
75 cm	blue	HRG-40 	0	3.5	93416	
75 cm	blue		1	4	93417	
100 cm	blue		1	4	93417H	
		½ circle taper (Round-Bodied), double-armed, Micropoint 				
60 cm	blue	2 x HRM-13 	230 Mi	7 - 0	0.5	908707
60 cm	blue		280 Mi	6 - 0	0.7	9082806
75 cm	blue		330 Mi	5 - 0	1	9083395
75 cm	blue		380 Mi	5 - 0	1	9083895
		½ circle taper (Round-Bodied), double-armed 				
75 cm	blue	2 x HR-13 	6 - 0	0.7	9861	
75 cm	blue		5 - 0	1	9862	
60 cm	blue		5 - 0	1	9862S	
90 cm	blue	2 x HR-17 	5 - 0	1	9872N	
90 cm	blue		4 - 0	1.5	9873N	
90 cm	blue		3 - 0	2	9874N	
90 cm	blue	2 x HR-20 	4 - 0	1.5	98753N	
90 cm	blue		3 - 0	2	98754N	
90 cm	blue	2 x HR-22 	4 - 0	1.5	9883N	
90 cm	blue	2 x HR-25 	4 - 0	1.5	98853N	
90 cm	blue		3 - 0	2	98854N	
90 cm	blue		2 - 0	3	98855N	

Polypropylene blue

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle, reverse cutting 			
75 cm 75 cm	blue blue	HS-17 	5 - 0 4 - 0	1 1.5	9672 9673
45 cm	blue	HS-21 	3 - 0	2	96844F
75 cm 75 cm	blue blue	HS-24 	3 - 0 2 - 0	2 3	9694 9695
75 cm 100 cm 75 cm	blue blue blue	HS-38 	0 0 1	3.5 3.5 4	9726 9726H 9727
75 cm 75 cm 100 cm	blue blue blue	HS-52 	0 1 1	3.5 4 4	9746 9747 9747H
		½ circle, cutting taper 			
75 cm 75 cm	blue blue	HSR-18 	5 - 0 4 - 0	1 1.5	9362 9363
75 cm 75 cm	blue blue	HSR-25 	3 - 0 2 - 0	2 3	93664 93665
75 cm 75 cm 100 cm	blue blue blue	HSR-38 	0 1 1	3.5 4 4	9386 9387 9387H
		½ circle, cutting taper , double-armed 			
90 cm 90 cm 90 cm 90 cm	blue blue blue blue	2 x HSR-18 	5 - 0 4 - 0 3 - 0 2 - 0	1 1.5 2 3	9942N 9943N 9944N 9945N
90 cm 90 cm 90 cm	blue blue blue	2 x HSR-25 	4 - 0 3 - 0 2 - 0	1.5 2 3	99483N 99484N 99485N
		3/8 circle, taper (Round-Bodied) 			
75 cm 75 cm 75 cm	blue blue blue	TR-13 	6 - 0 5 - 0 4 - 0	0.7 1 1.5	9421 9422 9423
75 cm 75 cm	blue blue	TR-17 	5 - 0 4 - 0	1 1.5	9432 9433

Polypropylene blue

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		3/8 circle, taper (Round-Bodied), double-armed, Micropoint 			
60 cm	blue	2 x TRM-13  230 Mi 280 Mi 330 Mi 380 Mi	7 - 0	0.5	960707
75 cm	blue		6 - 0	0.7	9602896
75 cm	blue		5 - 0	1	9603395
75 cm	blue		5 - 0	1	9603895
		3/8 circle, taper (Round-Bodied), double-armed, 			
75 cm	blue	2 x TR-13  	6 - 0	0.7	9991
60 cm	blue		6 - 0	0.7	9991S
75 cm	blue		5 - 0	1	9992
90 cm	blue		5 - 0	1	9992N
90 cm	blue	2 x TR-17  	5 - 0	1	9122N
75 cm	blue		4 - 0	1.5	9123
90 cm	blue		4 - 0	1.5	9123N
		3/8 circle, reverse cutting 			
45 cm	blue	TS-15  	6 - 0	0.7	9531F
45 cm	blue		5 - 0	1	9532F
45 cm	blue		4 - 0	1.5	9533F
45 cm	blue		3 - 0	2	9534F
45 cm	blue	TS-17  	6 - 0	0.7	9541F
45 cm	blue		5 - 0	1	9542F
45 cm	blue		4 - 0	1.5	9543F
45 cm	blue		3 - 0	2	9544F
75 cm	blue	TS-19  	5 - 0	1	9552
45 cm	blue		5 - 0	1	9552F
75 cm	blue		4 - 0	1.5	9553
45 cm	blue		4 - 0	1.5	9553F
75 cm	blue		3 - 0	2	9554
45 cm	blue		3 - 0	2	9554F
75 cm	blue		2 - 0	3	9555
75 cm	blue	TS-24  	4 - 0	1.5	9563
45 cm	blue		4 - 0	1.5	9563F
75 cm	blue		3 - 0	2	9564
45 cm	blue		3 - 0	2	9564F
75 cm	blue		2 - 0	3	9565
75 cm	blue		0	3.5	9566
75 cm	blue	TS-27  	4 - 0	1.5	9573
45 cm	blue		4 - 0	1.5	9573F
75 cm	blue		3 - 0	2	9574
45 cm	blue		3 - 0	2	9574F
75 cm	blue		2 - 0	3	9545
75 cm	blue				
75 cm	blue	TS-30  	3 - 0	2	9584
75 cm	blue		2 - 0	3	9585
75 cm	blue		0	3.5	9586
75 cm	blue		1	4	9587
75 cm	blue	TS-38  	2 - 0	3	9595
100 cm	blue		2 - 0	3	9595H
75 cm	blue		0	3.5	9596
75 cm	blue		1	4	9597
75 cm	blue	TS-45  	2 - 0	3	9605
100 cm	blue		2 - 0	3	9605H
75 cm	blue		0	3.5	9606
75 cm	blue		1	4	9607
100 cm	blue	TS-90  	2 - 0	3	96255H
100 cm	blue		0	3.5	96256H
100 cm	blue		1	4	96257H

Polypropylene blue

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		straight, cutting 			
75 cm 75 cm	blue blue	RS-58 	3 - 0 2 - 0	2 3	9844 9845
75 cm 75 cm	blue blue	RS-58  with 2 beads and 2 collars	3 - 0 2 - 0	2 3	9844INTC 9845INTC
100 cm 100 cm 100 cm 100 cm	blue blue blue blue	RS-75 	3 - 0 2 - 0 0 1	2 3 3.5 4	9854H 9855H 9856H 9857H
		3/8 circle reverse cutting Precision Point 			
45 cm 45 cm 45 cm	blue blue blue	TS-12P 	6 - 0 5 - 0 4 - 0	0.7 1 1.5	95201F 95202F 95203F
45 cm 45 cm 45 cm	blue blue blue	TS-15P 	6 - 0 5 - 0 4 - 0	0.7 1 1.5	95301F 95302F 95303F
45 cm 45 cm 45 cm	blue blue blue	TS-19P 	5 - 0 4 - 0 3 - 0	1 1.5 2	95502F 95503F 95504F
45 cm 45 cm 45 cm	blue blue blue	TS-24P 	5 - 0 4 - 0 3 - 0	1 1.5 2	95602F 95603F 95604F

Microsurgical sutures

Length	Thread Colour	Needle Code and Length in mm	Microns	USP	EP	REF
13 cm 13 cm	blue blue	TRM 5  Curved, 5 mm long, taper, Micropoint	100	10 - 0 9 - 0	0.2 0.3	943320 943329
60 cm	blue	2 x TRM 6,5  Curved, 6,5 mm long, taper, Micropoint, double-armed	140	8 - 0	0.4	91051408
60 cm 60 cm	blue blue	2 x TRM 8  Curved, 8 mm long, taper, Micropoint, double-armed	150	8 - 0 7 - 0	0.4 0.5	950508 950507
60 cm 75 cm	blue blue	2 x TRM 9,4  Curved, 9,4 mm long, taper, Micropoint, double-armed	230	7 - 0 7 - 0	0.5 0.5	952707 952797
60 cm 75 cm	blue blue	2 x TRM 10  Curved, 10 mm long, taper, Micropoint, double-armed	200	7 - 0 7 - 0	0.5 0.5	954607 954697

Supramid black

Length	Thread Colour	Needle Code and Length in mm	USP	EP	REF
		½ circle, reverse cutting 			
75 cm	black	HS-17 	4 - 0	1.5	8673
75 cm	black		3 - 0	2	8674
75 cm	black		2 - 0	3	8675
75 cm	black	HS-19 	4 - 0	1.5	8683
75 cm	black		3 - 0	2	8684
75 cm	black		2 - 0	3	8685
75 cm	black		0	3.5	8686
75 cm	black	HS-24 	4 - 0	1.5	8693
75 cm	black		3 - 0	2	8694
75 cm	black		2 - 0	3	8695
75 cm	black		0	3.5	8696
75 cm	black	HS-30 	3 - 0	2	8714
75 cm	black		2 - 0	3	8715
75 cm	black		0	3.5	8716
75 cm	black		1	4	8717
75 cm	black	HS-38 	3 - 0	2	8724
75 cm	black		2 - 0	3	8725
75 cm	black		0	3.5	8726
75 cm	black		1	4	8727
		3/8 circle, reverse cutting 			
75 cm	black	TS-17 	6 - 0	0.7	8541
75 cm	black		5 - 0	1	834
75 cm	black		4 - 0	1.5	835
75 cm	black	TS-19 	5 - 0	1	836
75 cm	black		4 - 0	1.5	837
45 cm	black		4 - 0	1.5	837F
75 cm	black		3 - 0	2	838
45 cm	black		3 - 0	2	838F
75 cm	black		2 - 0	3	8555
75 cm	black		0	3.5	8556
75 cm	black	TS-24 	4 - 0	1.5	839
75 cm	black		3 - 0	2	840
75 cm	black		2 - 0	3	841
75 cm	black		0	3.5	8566
75 cm	black	TS-27 	5 - 0	1	8572
75 cm	black		4 - 0	1.5	842
75 cm	black		3 - 0	2	843
75 cm	black		2 - 0	3	844
75 cm	black		0	3.5	8576
75 cm	black	TS-30 	3 - 0	2	845
75 cm	black		2 - 0	3	846
75 cm	black		0	3.5	8586
75 cm	black		1	4	8587



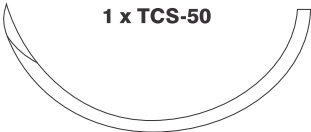
Surgical

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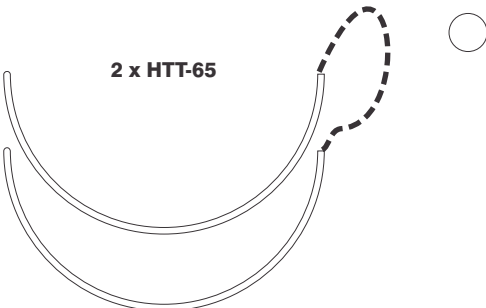
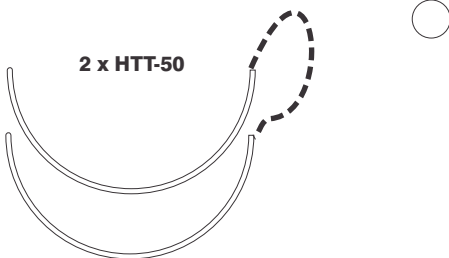
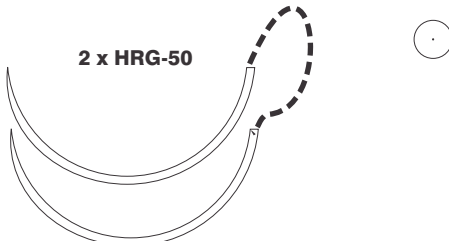
Needle Code	USP	EP	Length	Multipack	Prod. No.
 1 x HCS-50 1/2 circle, conventional cutting 50 mm	5	7	45 cm	4 Sutures	CV 7601x4
	6	8	45 cm	4 Sutures	CV 7624x4
	7	9	45 cm	4 Sutures	CV 7605x4
	5	7	75 cm	2 Sutures	CV 7802x2
	5	7	45 cm	6 Sutures	CV 7620x6
	5	7	75 cm	4 Sutures	CV 7621x4
 1 x TCS-50 3/8 circle, conventional cutting 50 mm	6	8	45 cm	6 Sutures	CV 7622x6
	6	8	75 cm	4 Sutures	CV 7623x4
	5	7	45 cm	4 Sutures	CV 7501x4
	5	7	45 cm	6 Sutures	CV 7502x6
	6	8	45 cm	4 Sutures	CV 7503x4
	6	8	45 cm	6 Sutures	CV 7504x6

Special feature - 360° Rotating Needle:

Needle Code	USP	EP	Length	Multipack	Prod. No.
 1 x HCS-50 1/2 circle, conventional cutting 50 mm	5	7	45 cm	4 Sutures	CV 7601x4 - 360°
	6	8	45 cm	4 Sutures	CV 7624x4 - 360°
	7	9	45 cm	4 Sutures	CV 7605x4 - 360°

Specialties

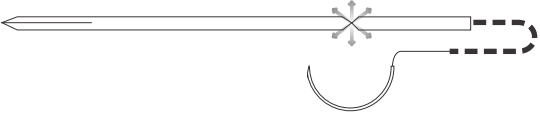
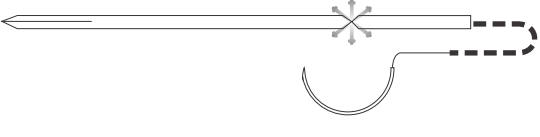
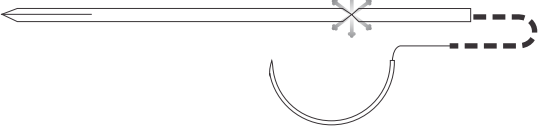
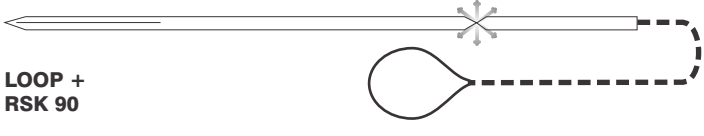
Astralen white tape

Length	Suggested Specialty	Needle Code and Length in mm		REF
30 cm	Incompetent Cervix	 2 x HTT-65 1/2 circle, double-armed, Blunt Point	5 mm wide	5 - 905
30 cm	Incompetent Cervix	 2 x HTT-50 1/2 circle, double-armed, Blunt Point	3 mm wide	3 - 911
30 cm	Incompetent Cervix	 2 x HRG-50 1/2 circle taper (Round-Bodied), double-armed	5 mm wide	5 - 950
75 cm	Umbilical Tape	WITHOUT NEEDLE	3 mm wide	3 - 901
35 cm	Umbilical Tape	WITHOUT NEEDLE	3 mm wide	3 - 902

Specialties

Temporary Cardiac Pacing Wire

A very fine braided multifilament stainless steel wire of excellent flexibility with coloured Polyethylen insulation, easy to identify. A special straight cutting needle RSK 90 or RSK 58 with breakaway feature, combined with a round - bodied needle (25 or 17 mm) or with a cutting taper needle (18 or 25 mm) or loop.

Needle Code	USP	EP	CM	Colour	REF
 HR-25 + RSK 90	2-0 2-0	3 3	60 60	black blue	CVP 150 CVP 151
 HR-17 + RSK 90	3-0	2	60	blue	CVP 660
 HR-17 + RSK 58	3-0 2-0	2 3	60 60	blue blue	CVP 656 CVP 658
 HSR-18 + RSK 58	3-0	2	60	blue	CVP 652
 HSR-25 + RSK 58	3-0	2	60	blue	CVP 653
 LOOP + RSK 90	2-0 2-0	3 3	60 60	white blue	CVP 220 CVP 221

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