

Suture Materials and Colour Codes

Absorbable



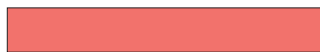
AssuCryl® synthetic absorbable

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. Absorption essentially complete between 40 to 45 days.



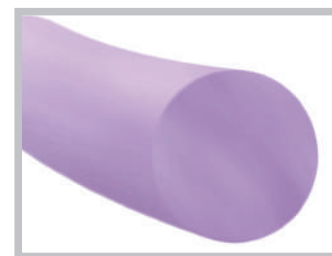
AssuCryl® actin synthetic absorbable

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. Absorption essentially complete between 180 to 210 days.



AssuCryl® MonoRapid synthetic absorbable

Monofilament synthetic absorbable PGCL (Poliglecaprone). Available in violet or undyed. Easy to handle and smooth passage through tissue. Absorption essentially complete between 90 to 120 days.



Non - Absorbable



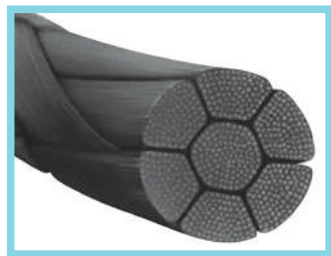
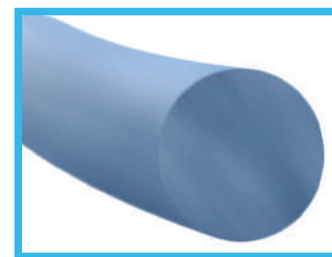
Polyester coated/Astralen

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.



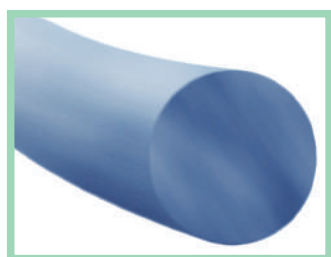
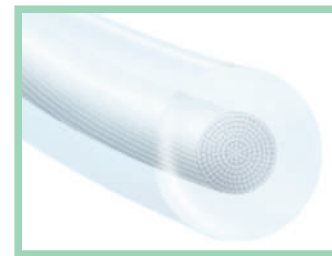
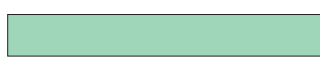
Silk

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.



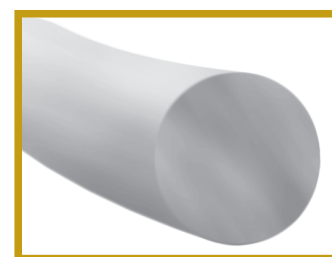
Monofil Nylon/Polyamide

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

Monofilament stainless steel with very high tensile strength and excellent knot security. This strand causes minimum tissue reaction.

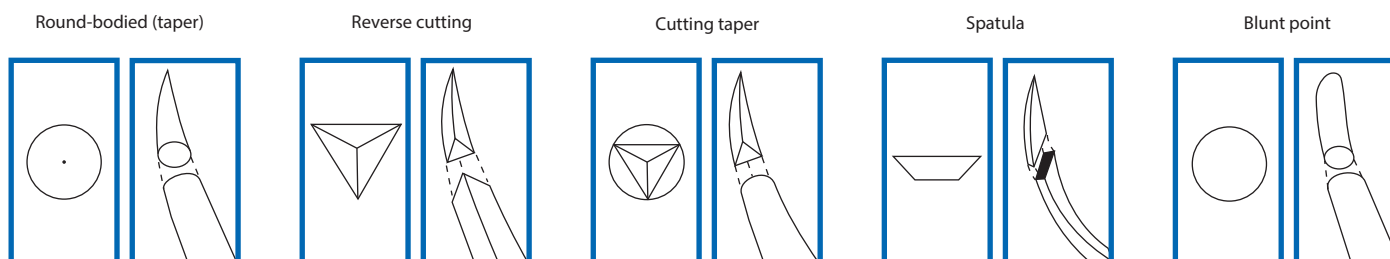
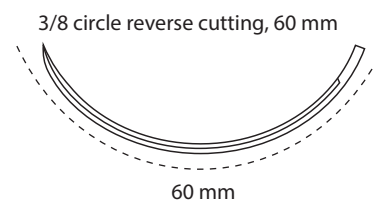


Needle shape and cross-section

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).

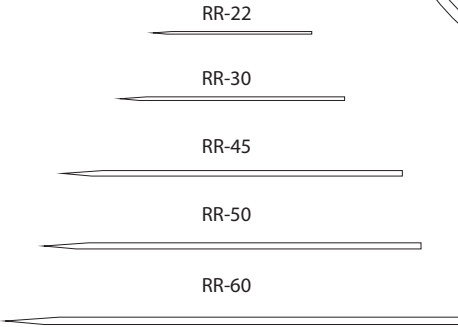
TS 60



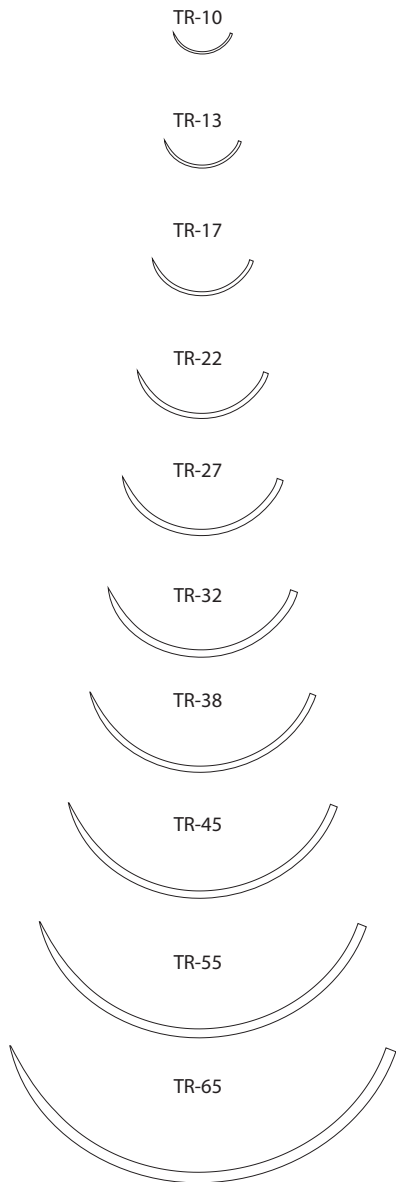
Needle Code	Needle Shape	Cross-section	Symbol
HR	H ½ circle	R Round-Bodied (taper)	
HRG	H ½ circle	R Round-Bodied (taper) G heavy	
HRM	H ½ circle	R Round-Bodied (taper) M Micropoint	
HS	H ½ circle	S Cutting	
HSG	H ½ circle	S Cutting G heavy	
HSP	H ½ circle	SP Spatula	
HSR	H ½ circle	SR Cutting taper	
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

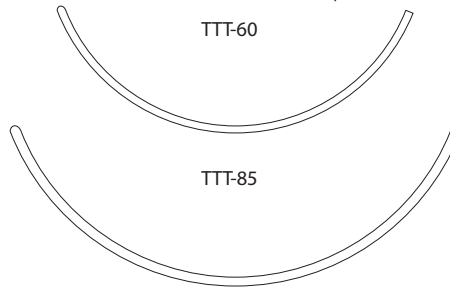
RR-needles
straight, Round-Bodied (taper)



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



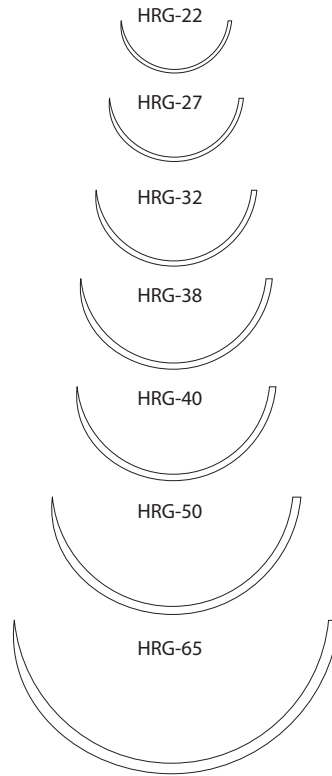
TTT-needle
3/8 circle, Round-Bodied, Blunt point



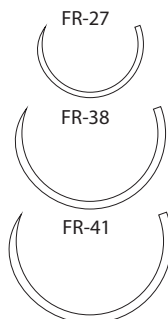
HTT-needle
1/2 circle, Round-Bodied, Blunt point



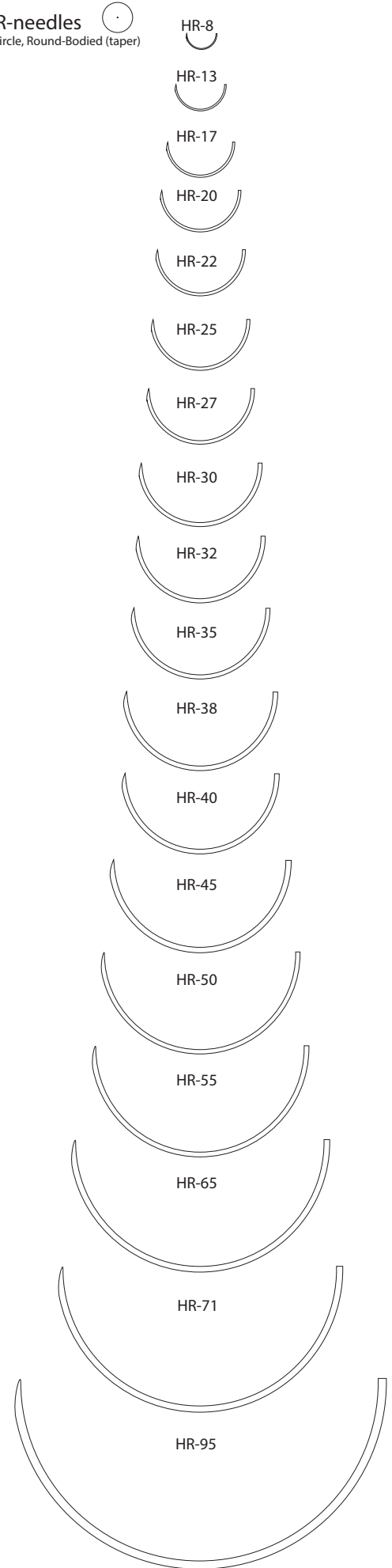
HRG-needles
1/2 circle, Round-Bodied (taper) heavy



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



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



TS-needles 
3/8 circle, reverse cutting

TS-12

TS-15

TS-17

TS-19

TS-24

TS-27

TS-30

TS-38

TS-45

TS-60

TS-90

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

TS-12P

TS-15P

TS-19P

TS-24P

RS-needles 
straight, cutting

RS-45

RS-50

RS-58

RS-75

RS-90

RSK-90
with breakable feature

HS-needles 
1/2 circle, reverse cutting

HS-12

HS-17

HS-19

HS-21

HS-24

HS-27


HS-30

HS-38

HS-40

HS-45

HS-52

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

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

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

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