

WEGOSUTURES Sterilized Surgical Sutures



WEGOSUTURE Connecting the World



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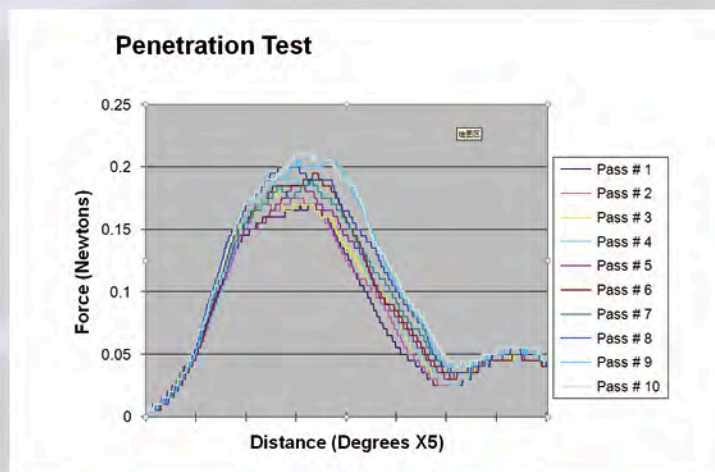
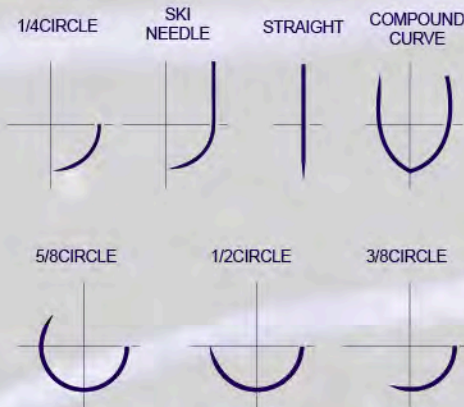
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WEGO

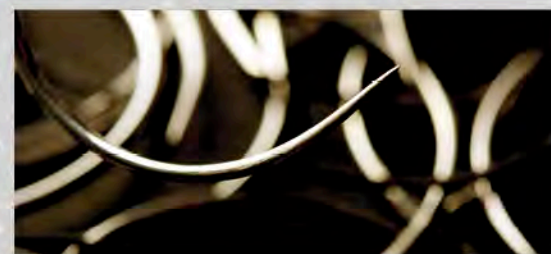
WEGO Needle Types and Tip Geometrics

	Code	Tip Geometry	Needle Cross-section
Taper Point / Round Body	TA		
Reverse Cutting	RC		
Premium Cutting Reverse	P		
Cutting	CU		
Premium Cutting	PC		
Spatula	SP		
Taper Cut	TC		
Trocar	TR		
Calcified Coronary	CC		
Blunt Point	BL		
Diamond	D		



Wego Needle Penetration Level

Needle	Penetration Force(N)	
	Taper Point	Reverse Cutting
Wire Diameter(mm)		
0.43	0.20-0.25	0.17-0.20
0.52	0.20-0.27	0.20-0.25
0.56	0.25-0.30	0.20-0.25
0.60	0.27-0.30	0.22-0.26
0.66	0.27-0.30	0.22-0.26
0.70	0.27-0.30	0.22-0.26
0.80	0.30-0.35	0.25-0.30
0.86	0.30-0.35	0.30-0.35
0.90	0.30-0.35	0.30-0.35
1.00	0.35-0.40	0.30-0.38
1.10	0.37-0.45	0.33-0.38
1.27	0.45-0.50	0.35-0.40



The needles for regular suture made by the full machines and technique from US with AISI420 or AISI302 alloy; the optimized precision tip geometric offers an outstanding Penetration performance with excellence balance with Bending and Ductility. Needles for Specialty Sutures from US, Euro and Japan covers the micro needles. Available needle length from 6mm to 90mm under 1/4 circle, 1/2circle, 3/8 circle, 5/8circle and compound curver.

Absorbable

Brand Name	Material	Structure	Range of Size (USP)	Color	Tensile strength retention-days	Application	CE	FDA
WEGO PGA	100% Polyglycolic Acid	Multifilament, braided (USP 9/0 and 10/0 Monofilament)	USP 3 - USP 10/0 (metric 6 - metric 0.2)	Violet or Undyed	14 days post implantation 75% 21 days post implantation 40%	General soft tissue approximation and/or ligation, including use in ophthalmic surgery	Yes	Yes
WEGO PGLA	Poly(glycolide-co-lactide)(90/10)	Multifilament, braided	USP 3 or 4- USP 8/0 (metric 6 - metric 0.4)	Undyed or Violet (D&C violet No.2)	14days post implantation 75% 21days post implantation 40% 28 days post implantation 20%	General soft tissue approximation and/or ligation, including use in ophthalmic surgery	Yes	Yes
WEGO PDO	Polydioxanone	Monofilament	USP 2- USP 7/0 (metric 5 - metric 0.5)	Violet(D&C No.2) or Undyed	14 days post implantation 75% 28 days post implantation 65% 42 days post implantation 50%	General soft tissue approximation, including use in paediatric cardiovascular tissue where growth is expected to occur and in ophthalmic surgery. These sutures are particularly useful where the combination of an absorbable suture and extended wound support (up to six weeks) is desirable	Yes	Yes
WEGO PGCL	Poly(glycolide-caprolactone) (PGA-PCL)	Monofilament	USP 2- USP 6/0 (metric 5 - metric 0.7)	Undyed or Violet(D&C no.2)	7 days post implantation 65% 14 days post implantation 40%	General soft tissue approximation and/or ligation where an absorbable material is indicated.	Yes	Yes
WEGO PGA Rapid	100% Polyglycolic Acid	Multifilament, braided	USP 2- USP 6/0 (metric 5 - metric 0.7)	Violet or Undyed	7 days post implantation 55% 14 days post implantation 20% 21 days post implantation 5%	General soft tissue approximation where only short term wound support is required, including ophthalmic (e.g. conjunctiva) procedures.	Yes	Yes
WEGO PGLA Rapid	Poly(glycolide-co-lactide)(90/10)	Multifilament, braided	USP 2- USP 6/0 (metric 5 - metric 0.7)	Violet or Undyed	7 days post implantation 55% 14 days post implantation 20% 21 days post implantation 5%	General soft tissue approximation where only short term wound support is required, including ophthalmic (e.g. conjunctiva) procedures.	Yes	Yes
WEGO CATGUT	Plain Catgut	Twisted(Natural)	USP #2- USP 6/0 (metric 5 - metric 0.7)	Yellow	7-10 days	General, soft tissue approximation and/or ligation, Ophthalmic procedures, but not for use in cardiovascular and neurological procedures	In Process	In Process
WEGO CATGUT	Chronic Catgut	Twisted(Natural)	USP #2- USP 6/0 (metric 5 - metric 0.7)	Brown	21-28 days			

Non-absorbable sutures

Brand Name	Material	Structure	Range of Size (USP)	Color	Tensile strength retention-days	Application	CE	FDA
 WEGO POLYPROPYLENE	Polypropylene	Monofilament	USP 1- USP 10/0 (metric 4 – metric 0.2)	Blue or Undyed	No loss of tensile strength	General soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic and neurological procedures	Yes	Yes
 WEGO NYLON	Polyamide 6 and 6.6	Monofilament, Braided, Cable (Supramid)	USP 5- USP 10/0 (metric 7 – metric 0.2)	Blue/Black	15-20% per year	Due to the gradual loss of tensile strength which may occur over prolonged periods in vivo, WEGO-NYLON suture should not be used where permanent retention of tensile strength is required. It's not indicated for the central circulatory system and central nervous system.	Yes	Yes
 WEGO POLYESTER	Polyethylene terephthalate	Multifilament, Braided	USP 5- USP 10/0 (metric 7 – metric 0.2)	Green or White	Long Period	General soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic and neurological procedures.	Yes	Yes
 WEGO SILK	Natural Silk	Braided	USP 5- USP 10/0 (metric 7 – metric 0.2)	Black, Blue or undyed	Two Years	The use of this suture is contraindicated in patients with known sensitivities or allergies to Silk. Due to the gradual loss of tensile strength which may occur over prolonged periods in vivo, Silk suture should not be used where permanent retention of tensile strength is required. It's not indicated for the central circulatory system and central nervous system.	Yes	Yes
 WEGO PVDF	Polyvinylidene Fluoride	Monofilament	USP 2- USP 10/0 (metric 5 – metric 0.2)	Blue or Undyed	Long Period	All types of soft tissue approximation and/or ligation, including cardiovascular and neurological surgeries, as well as microsurgery and ophthalmic procedures. Polyvinylidene fluoride threads can also be used as holding sutures and for marking purposes.	Yes	In Process
 WEGO PTFE	100% high-density polytetrafluoroethylene (PTFE) polymer	Monofilament	USP 2- USP 10/0 (metric 5 – metric 0.2)	Undyed	Long Period	All types of soft tissue approximation and/or ligation, including cardiovascular, dental and general surgeries, as well as repair of the dura mater. The device is not indicated for use in ophthalmic surgery, microsurgery and peripheral neural tissue.	Yes	Yes
 WEGO STEEL	Stainless Steel	Monofilament	USP 6/0- USP 7#	Metal Gray	Long Period	Abdominal wound closure, Hernia repair, Sternal closure and orthopaedic procedures including cerclage and tendon repair. Orthopaedic-Maxillofacial-Spine surgery	In Process	In Process

1st-2nd digit: Thread Material

G	PGA (Polyglycolic Acid)
K	PGA Rapid
A	PGLA
J	PGLA Rapid
D	PDO (Polydioxanone)
Q	PGCL
L	Plain Catgut
C	Chromic Catgut
S	Silk
N	Nylon
B	Braided Nylon
V	Supramid
P	Polypropylene
E	Polyester
Z	PTFE
PV	PVDF
GS	Steel
H	UHDPE

Anti-microbial suture: add "A" before thread material
 For example: the code of anti-microbial PDO is "AD"
 Barbed suture: add "B" before thread material
 For example: the code of barbed PGL is "BQ"

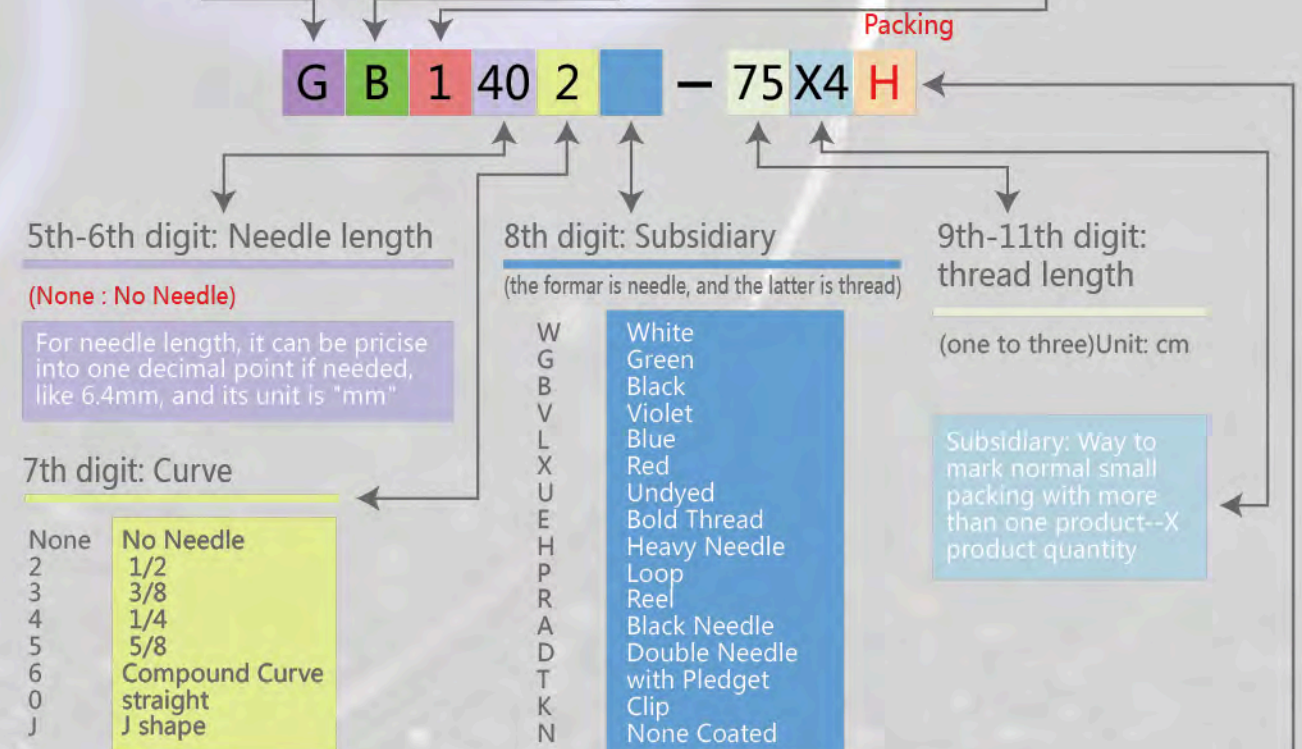
Note: For the CE mark issue, please check with us.

3rd digit: USP

1	1-0
2	2-0
3	3-0
4	4-0
5	5-0
6	6-0
7	7-0
8	8-0
9	9-0
A	10-0
X	11-0
Y	12-0
B	1
C	2
D	3
E	4
F	5
G	6
H	7

4th digit: Needle Tip

None	No Needle
1	Taper
2	Blunt
3	Reverse Cutting
4	Cutting
5	Diamond
6	Premium Cutting Reverse
7	Taper Cutting
8	Spatula
9	Square
A	Wing
B	Sleigh Taper
C	CC
T	Trocar Needle
D	Sleigh Reverse Cutting
E	Sleigh Cutting
F	Premium Cutting



Note: additional subsidiary, the code of needle has to be arranged in color, quantity, diameter and others; the code of thread has to be arranged in color, diameter, loop and others.

	Packing:	Code
Absorbable Suture	paper card + aluminum plastic sachet + dialyzing paper bags (dialyzing paper +PE film)	None
	Paper card +Double-sided aluminum sachet (PET/AL)	H
Non-absorbable Suture	paper card + aluminum plastic sachet + dialyzingpaper bags (dialyzing paper +PE film)	None
	Paper card +Tyvek bags (Tyvek + PE film)	T
	Paper card + Tyvek bags (Tyvek + PETG)	H

WEGO-PGA DATA SHEET

Structure	Multifilament, braided
Chemical composition	100%polyglycolic acid
Coating	Polycaprolactone + Calcium Stearate
Color	Violet or Undyed
Sizes	USP 3-USP 10/0 metric 6 – metric 0.2
Knot tensile strength Retention	14 days post implantation 75% 21 days post implantation 40%
Mass absorption	Degradation by hydrolysis within 60 – 90 days
Indications	General surgery, Gastroenterology, Urology, Plastic, Subcutaneous and intracutaneous closure, Gynaecology, Ophthalmic, Paediatric surgery and Ligatures
Sterilization	Ethylene oxide

WEGO-PGLA DATA SHEET

Structure	Multifilament, braided
Chemical composition	Poly (glycolide – co – lactide) (90/10)
Coating	Poly (glycolide – co – lactide) (30/70) + Calcium Stearate
Color	Violet (D&C violet No.2)
Sizes	USP 3 – USP 8/0 metric 6 – metric 0.4
Knot tensile strength Retention	7 days post implantation 75% 21 days post implantation 40% 28 days post implantation 20%
Mass absorption	Degradation by hydrolysis within 56 – 70 days
Indications	General surgery, Gastroenterology, Urology, Plastic, Subcutaneous and intracutaneous closure, Gynaecology, Odontology, Paediatric surgery, Ophthalmology, Ligatures
Sterilization	Ethylene oxide

WEGO-RPGA DATA SHEET

Structure	Multifilament, braided
Chemical composition	100% polyglycolic acid
Coating	Polycaprolactone + Calcium Stearate
Color	Undyed
Sizes	USP 2 – USP 6/0 metric 5 – metric 0.7
Knot tensile strength Retention	7 days post implantation 55% 14 days post implantation 20% 21 days post implantation 5%
Mass absorption	Degradation by hydrolysis within 42 – 63 days
Indications	Subcutaneous and intracutaneous closure, Gynaecology, Odontology, Paediatric surgery, Ophthalmology, Ligatures
Sterilization	Ethylene oxide

WEGO-RPGLA DATA SHEET

Structure	Multifilament, braided
Chemical composition	Poly (glycolide – co – lactide) (90/10)
Coating	Poly (glycolide – co – lactide) (30/70) + Calcium Stearate
Color	Violet (D&C violet No.2)
Sizes	USP 3 – USP 8/0 metric 6 – metric 0.4
Knot tensile strength Retention	7 days post implantation 55% 14 days post implantation 20% 21 days post implantation 5%
Mass absorption	Degradation by hydrolysis within 42~56 days
Indications	Sutures are intended for use in general soft tissue approximation where only short term wound support is required, including ophthalmic (e.g. conjunctiva)
Sterilization	Ethylene oxide

WEGO-PDO DATA SHEET

Structure	Monofilament
Chemical composition	Polydioxanone
Color	Violet (D&C No.2) or Undyed
Sizes	USP 2 – USP 7/0 metric 5 – metric 0.5
Knot tensile strength Retention	14 days post implantation 75% 28 days post implantation 65% 42 days post implantation 50%
Mass absorption	Degradation by hydrolysis within 180 – 220 days
Indications	General soft tissue approximation, specially in cases where an extended wound support of more than 4 weeks is desirable, pediatric cardiovascular surgery and for the suturing of autologous peripheral vessels
Contraindications	Approximation of tissue under tension and suturing of synthetic implant like vascular grafts or cardiac valves
Sterilization	Ethylene oxide

WEGO-SILK DATA SHEET

Structure	Braided, Twisted
Composition	Natural silk
Coating	Medical Grade Silicone Uncoated (Twisted Silk)
Color	Black (Braided Silk) Blue (Twisted Silk)
Sizes	USP 5 – USP 10/0 metric 7 – metric 0.2
Mass absorption	Non-absorbable
Indications	General surgery, Skin Closure, Oral surgery, Neurosurgery, Ligatures
Contraindications	Braided Silk should not be used in the biliary or urinary tracts or in cases of infection
Sterilization	Ethylene oxide

WEGO-PGCL DATA SHEET

Structure	Monofilament
Chemical Composition	Poly (glycolide-co-caprolactone) (PGA – PCL)
Color	Undyed or Violet (D&C no.2)
Sizes	USP 2- USP 6/0 metric 5 – metric 0.7
Strength Retention Profile	7 days post implantation 65% 14 days post implantation 40%
Absorption Profile	Degradation by hydrolysis within 90-120 days
Indications	Subcutaneous and intracutaneous closure, Gynaecology, Odontology, Paediatric surgery, Ophthalmology, Ligatures
Sterilization	Ethylene oxide gas

WEGO-NYLON DATA SHEET

Structure	Monofilament
Chemical composition	Polyamide 6 and 6.6
Color	Blue/Black
Sizes	USP 5- USP 10/0 metric 7 – metric 0.2
Knot tensile strength Retention	15-20% loss per year
Indications	Skin and Plastic Surgery, Micro – vascular surgery, Ophthalmology, Orthopaedics
Contraindications	Due to the gradual loss of tensile strength which may occur over prolonged periods in vivo, WEGO – NYLON suture should not be used where permanent retention of tensile strength is required. It's not indicated for the central circulatory system and central nervous system
Sterilization	Ethylene oxide

WEGO-POLYPROPYLENE DATA SHEET

Structure	Monofilament
Chemical composition	Polypropylene
Color	Blue
Sizes	USP1 – USP 10/0 metric 4 – metric 0.2
Knot tensile strength Retention	No loss of tensile strength
Mass absorption	Non – absorbable
Indications	Vascular and Cardiovascular surgery, Skin Closure, Plastic surgery, Ophthalmology, Neurosurgery
Contraindications	Not known
Sterilization	Ethylene oxide

WEGO-PVDF DATA SHEET

Structure	Monofilament
Chemical Composition	Polyvinylidene Fluoride
Color	Blue or Undyed
Sizes	USP 2 – USP 10/0 (metric 5 – metric 0.2)
Mass absorption	Non – absorbable
Indications	All types of soft tissue approximation and/or ligation, including cardiovascular and neurological surgeries, as well as microsurgery and ophthalmic procedures. Polyvinylidene fluoride threads can also be used as holding sutures and for marking purposes
Contraindications	WEGO – PVDF sutures are contra – indicated in patients with known sensitivities or allergies to PVDF
Sterilization	Ethylene oxide

















WEGO-POLYESTER DATA SHEET

Structure	Braided
Chemical Composition	Polyethylene terephthalate
Coating	Medical Grade Silicone
Color	Green or White
Sizes	USP 5 – USP 10/0 metric7 – metric 0.2
Mass absorption	Non – absorbable
Indications	Skin Closure, Cardiovascular surgery, Vascular surgery, Ophthalmology, Orthopaedics, Gastrointestinal surgery, Neurosurgery
Contraindications	Not Known
Sterilization	Ethylene oxide















WEGO-PTFE DATA SHEET

Structure	Monofilament
Chemical Composition	100% high – density polytetrafluoroethylene (PTFE) polymer
Color	Undyed
Sizes	USP 2 – USP 10/0 (metric 5 – metric 0.2)
Mass absorption	Non – absorbable
Indications	All types of soft tissue approximation and/or ligation, including cardiovascular, dental and general surgeries, as well as repair of the dura mater. The device is not indicated for use in ophthalmic surgery, microsurgery and peripheral neural tissue.
Contraindications	Not Known
Sterilization	Ethylene oxide

























POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE				
				2-0	0	#1	#2	#3
		31mm 1/2 Blunt Point	75cm	G22312-75				
		36mm 1/2 Blunt Point	75cm	G22362-75				
		36mm 1/2 Blunt Point Heavy	75cm 90cm	G22362H-75		GB2362H-90		
		40mm 1/2 Blunt Point	75cm		G12402-75	GB2402-75		
		40mm 1/2 Blunt Point Heavy	90cm		G12402-90	GB2402H-90		
		45mm 1/2 Blunt Point	90cm			GB2452-90	GC2452-90	GD2452-90
		48mm 1/2 Blunt Point	90cm		G12482-90	GB2482-90		
		65mm 3/8 Blunt Point	100cm			GB12653-100		













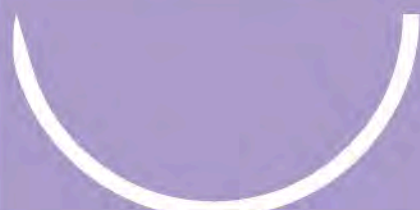





POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE				
				6-0	5-0	4-0	3-0	2-0
		13mm 3/8 Taper Point Point	60cm			G41133-60		
		17mm 3/8 Taper Point Point	45cm			G41173-45		
		13mm 1/2 Taper Point	45cm	G61132U-45	G51132U-45			
		17mm 1/2 Taper Point	75cm		G51172-75	G41172-75		
		20mm 1/2 Taper Point	75cm			G41202-75	G31202-75	
		22mm 1/2 Taper Point	8x45cm			G41222-45x8	G31222-45x8	G21222-45x8
		22mm 1/2 Taper Point	8x70cm				G31222-70x8	
		26mm 1/2 Taper Point visi-black	70cm				G31262A-70	G21262A-70
		26mm 1/2 Taper Point	8x45cm				G31262-45x8	G21262-45x8
		26mm 1/2 Taper Point	8x70cm				G31262-70x8	G21262-70x8
		26mm 1/2 Taper Point	75cm				G31262-75	G21262-75
		31mm 1/2 Taper Point Double	75cm 100cm					G21312D-75 G21312D-100





















POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE					
				3-0	2-0	0	#1	#2	#3
		31mm 1/2 Taper Point	4x70cm	G31312-70x4	G21312-70x4	G11312-70x4			
		31mm 1/2 Taper Point	75cm	G31312-75	G21312-75	G11312-75	GB1312-75		
		36mm 1/2 Taper Point	8x70cm		G21362-70x8	G11362-70x8			
		36mm 1/2 Taper Point	75cm 90cm		G21362-75 G21362-90	G11362-75 G11362-90			
		40mm 1/2 Taper Point	75cm		G21402-75	G11402-75			
		13mm 1/2 Taper Point Heavy	70cm		G21132H-70				
		26mm 1/2 Taper Point Heavy	90cm				GB1262H-90		
		31mm 1/2 Taper Point Heavy	75cm			G11312H-75	GB1312H-75		
		36mm 1/2 Taper Point Heavy	8x45cm			G11362H-45x8	GB1362H-45x8		
		36mm 1/2 Taper Point Heavy	4x70cm				GB1362H-70x4	GC1362H-70x4	GD1362H-70x4
		36mm 1/2 Taper Point Heavy	90cm				GB1362H-90		
		40mm 1/2 Taper Point Heavy	8x45cm				GB1402H-45x8	GC1402H-45x8	GD1402H-45x8



















POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE				
				2-0	0	#1	#2	#3
		40mm 1/2 Taper Point Heavy	4x70cm			GB1402H-70x4	GC1402H-70x4	GD1402H-70x4
		40mm 1/2 Taper Point Heavy	75cm 90cm		G11402H-75 G11402H-90	GB1402H-75 GB1402H-90		
		45mm 1/2 Taper Point Heavy	75cm		G11452H-75	GB1452H-75	GC1452H-75	GD1452H-75
		48mm 1/2 Taper Point Heavy	8x45cm			GB1482H-45x8	GC1482H-45x8	GD1482H-45x8
		48mm 1/2 Taper Point Heavy	75cm 90cm		G11482H-75 G11482H-90	GB1482H-75 GB1482H-90	GC1482H-75 GC1482H-90	GD1482H-75 GD1482H-90
		65mm 1/2 Taper Point Heavy	75cm	G21652H-75				
		80mm 1/2 Taper Point Heavy	100cm			GB1802H-100		
		36mm 5/8 Taper Point Heavy	70cm	G21365H-70				
		40mm 5/8 Taper Point Heavy	75cm		G11405H-75			

POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE							
				6-0	5-0	4-0	3-0	2-0	0	#1	
		22mm J Taper Point	75cm			G4122J-75	G3122J-75				
		36mm J Taper Point	75cm					G2136J-75	G1136J-75		
		13mm 3/8 Taper Cut	75cm	G67133-75	G57133-75	G47133-75					
		20mm 1/2 Taper Cut	75cm				G37202-75				
		17mm 3/8 Taper Cut	75cm		G57172U-75	G47172U-75	G37172U-75				
		22mm 1/2 Taper Cut	70cm 70cm 75cm			G47222U-70	G37222-70			G27222-75	
		26mm 1/2 Taper Cut	75cm				G37262-75	G27262-75			
		26mm 1/2 Taper Cut Heavy	75cm					G27262H-75			
		31mm 1/2 Taper Cut	75cm					G27312-75	G17312-75	GB7312-75	
		36mm 1/2 Taper Cut	75cm 90cm				G37362-90	G27362-75 G27362-90	G17362-75 G17362-90		

POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE				
				2-0	0	#1	#2	#3
		36mm 1/2 Taper Cut Heavy	75cm 90cm			GB7362H-75 GB7362H-90	GC7362H-75	GD7362H-75
		40mm 1/2 Taper Cut	75cm 75cm 90cm	G27402U-75 G27402-90	G17402U-75 G17402-90	GB7402-75 GB7402-90		
		40mm 1/2 Taper Cut Heavy	75cm 75cm	G27402H-75 G27402HU-75	G17402H-75 G17402HU-75	GB7402H-75 GB7402HU-75		
		45mm 1/2 Taper Cut	75cm	G27452-75	G17452-75	GB7452-75	GC7452-75	GD7452-75
		80mm 1/2 Taper Cut	75cm		G17802-75	GB7802-75		
		31mm J Taper Cut	75cm			GB731J-75		
		22mm 1/2 Reverse Cutting	70cm 75cm			GB3222U-70	GC3222-75	GD3222-75
		40mm 1/2 Reverse Cutting	75cm 90cm		G13402-75 G13402-90	GB3402-75 GB3402-90		
		48mm 1/2 Reverse Cutting	75cm 90cm		G13482-75 G13482-90	GB3482-75 GB3482-90	GC3482-75 GC3482-90	GD3482-75 GD3482-90

POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE				
				6-0	5-0	4-0	3-0	2-0
		11mm 3/8 Premium Cutting Reverse	45cm	G66113U-45	G56113U-45			
		19mm 3/8 Premium Cutting Reverse	45cm		G56193U-45	G46193U-45	G36193U-45	
		26mm 3/8 Premium Cutting Reverse	45cm 75cm				G36263U-45 G36263U-75	G26263U-75
		19mm 3/8 Reverse Cutting	45cm 45cm			G43193-45 G43193U-45		
		26mm 3/8 Reverse Cutting	45cm 75cm				G33263-45 G33263U-75	
		36mm 3/8 Reverse Cutting	75cm					G23363-75
		45mm 3/8 Reverse Cutting	75cm					G23453-75
		13mm 3/8 Premium Cutting	45cm	G6F133U-45	G5F133U-45			
		16mm 3/8 Premium Cutting	45cm		G5F163U-45	G4F163U-45	G3F163U-45	
		19mm 3/8 Premium Cutting	45cm			G4F193U-45	G3F193U-45	
		26mm 3/8 Premium Cutting	45cm 75cm			G4F263U-45 G4F263U-75	G3F263U-45 G3F263U-75	G2F263U-45 G2F263U-75
		36mm 3/8 Premium Cutting	75cm				G3F363U-75	G2F363U-75
		16mm 3/8 Cutting	75cm		G54163-75	G44163-75	G34163-75	
		22mm 1/2 Cutting	45cm 45cm			G44222-45	G34222-45 G34222U-45	
		26mm 5/8 Cutting	75cm				G34265U-75	
		13mm Straight Cutting	45cm			G43130-45		
		45mm Straight Cutting	45cm			G43450U-45		
		55mm Straight Cutting	75cm					G23500U-75
		60mm Straight Cutting	75cm 75cm				G33600U-75	G23600-75 G23600U-75
		60mm Straight Cutting	75cm 75cm				G36600-75 G36600U-75	

POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE							
				10-0	9-0	8-0	7-0	6-0	5-0	4-0	
		17mm 5/8 Taper Cut	75cm								G47175U-75
		6.4mm 3/8 Spatula	15cm			G88063-15					
		6.4mm 3/8 Spatula Double	30cm 45cm			G88063D-30 G88063D-45	G78063D-30				
		6.4mm 3/8 Spatula	10cm	GA8063-10	G98063-10						
		7mm 1/2 Spatula Double	30cm 45cm			G88072D-30	G78072D-45				
		11mm 3/8 Reverse Cutting Double	45cm					G63113D-45			
		8mm 3/8 Reverse Cutting Double	30cm			G83083D-30					
		8mm 1/4 Spatula Double	20cm 45cm 45cm					G68084D-20 G68084D-45 G68084DU-45	G58084D-45 G58084DU-45		
		8mm 1/4 Spatula Double	45cm								G48084D-45
		11mm 3/8 Spatula Double	45cm					G68113DU-45	G58113DU-45	G48113DU-45	
		8mm 1/2 Spatula Double	20cm 45cm 45cm					G68082D-20 G68082D-45 G68082DU-45	G58082D-45		
		10mm 5/8 Taper Cut	30cm					G67105-30			
		13mm 3/8 Reverse Cutting Double	45cm						G53133D-45	G43133D-45	
		9.3mm 3/8 Taper Point	15cm 30cm	GA1093-15		G81093-30		G61093-30			
		19mm Straight Taper Point visi-black	20cm								G41190A-20

POLYGLYCOLIC ACID PRECUT





















PGA	5-0	Braided	Violet	150cm×1	Precut	G5-150
PGA	4-0	Braided	Violet	150cm×1	Precut	G4-150
PGA	3-0	Braided	Violet	150cm×1	Precut	G3-150
PGA	2-0	Braided	Violet	150cm×1	Precut	G2-150
PGA	0	Braided	Violet	150cm×1	Precut	G1-150
PGA	1	Braided	Violet	150cm×1	Precut	GB-150
PGA	2	Braided	Violet	150cm×1	Precut	GC-150
PGA	4-0	Braided	Violet	45cm×6	Precut	G4-45×6
PGA	3-0	Braided	Violet	45cm×6	Precut	G3-45×6
PGA	2-0	Braided	Violet	45cm×6	Precut	G2-45×6
PGA	0	Braided	Violet	45cm×6	Precut	G1-45×6
PGA	1	Braided	Violet	45cm×6	Precut	GB-45×6
PGA	3-0	Braided	Violet	250cm	Reel	G3025001R
PGA	2-0	Braided	Violet	250cm	Reel	G2025001R
PGA	0	Braided	Violet	250cm	Reel	G1025001R
PGA	1	Braided	Violet	250cm	Reel	GB025001R

















RAPID POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE						
				4-0	3-0	2-0	0	#1	#2	
		17mm 1/2 Taper Point	75cm	K41172-75						
		22mm 1/2 Taper Point	75cm	K41222-75	K31222-75					
		31mm 1/2 Taper Point	75cm			K21312-75				
		40mm 1/2 Taper Point Heavy	90cm				K11402H-90			
		48mm 1/2 Taper Point Heavy	90cm			K21482H-90				
		26mm 1/2 Taper Cut	90cm			K27262-90				
		36mm 1/2 Taper Cut	90cm 120cm			K27362-90 K27362-120	K17362-90	KB7362-90	KC7362-90	
		40mm 1/2 Taper Cut	90cm			K27402-90				
		45mm 1/2 Taper Cut	90cm			K27452-90				
		26mm 1/2 Reverse Cutting	75cm			K23262-75				

RAPID POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE				
				6-0	5-0	4-0	3-0	2-0
		11mm 3/8 Reverse Cutting	45cm	K63113-45	K53113-45			
		13mm 3/8 Premium Cutting Reverse	45cm		K56133-45	K46133-45		
		19mm 3/8 Premium Cutting Reverse	75cm			K46193-75	K36193-75	
		26mm 3/8 Premium Cutting Reverse	75cm				K36263-75	K26263-75
		36mm 3/8 Premium Cutting Reverse	75cm				K36363-75	K26363-75
		13mm 3/8 Reverse Cutting	75cm			K43133-75		
		19mm 3/8 Reverse Cutting	75cm			K43193-75	K33193-75	K23193-75
		26mm 3/8 Reverse Cutting	75cm				K33263-75	K23263-75
		16mm 3/8 Premium Cutting	75cm			K4F163-75	K3F163-75	
		16mm 3/8 Cutting	75cm			K44163-75	K34163-75	

RAPID POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE		
				4-0	3-0	2-0
		22mm 1/2 Premium Cutting	45cm		K3F222-45	
		22mm 1/2 Cutting	45cm	K44222-45	K34222-45	
		26mm 5/8 Cutting	75cm		K34265-75	
		13mm Straight Cutting	45cm	K43130-45		
		45mm Straight Cutting	45cm	K43450-45		
		60mm Straight Cutting	75cm		K33600-75	K23600-75
		17mm 5/8 Taper Cut	75cm	K47175-75		
		Precut 150x12	150cm		K3-150x12	K2-150x12













PDO

Needle	Point Shape	Needle Description	Length	USP SIZE									
				7-0	6-0	5-0	4-0	3-0	2-0	0	#1		
		31mm 1/2 Blunt Point	70cm					D32312-70	D22312-70				
		45mm 1/2 Blunt Point	90cm										DB2452-90
		48mm 1/2 Blunt Point	150cm loop									D12482P-150	DB2482P-150
		9.3mm 3/8 Taper Point Double	45cm 70cm	D71093D-70		D61093D-45 D61093D-70							
		11mm 3/8 Taper Point Double	45cm 70cm			D61113D-45 D61113D-70							
		13mm 3/8 Taper Point Double	45cm	D71133D-45		D61133D-45							
		13mm 3/8 Taper Point Double	70cm			D61133D-70							
		13mm 1/2 Taper Point Double	70cm				D51132D-70						
		17mm 1/2 Taper Point Double	90cm				D51172D-90	D41172D-90					
		13mm 3/8 Taper Point	70cm				D51133-70						
		13mm 3/8 Taper Point Double	70cm			D61133D-70							
		17mm 3/8 Taper Point	70cm				D51173-70	D41173-70					
		13mm 1/2 Taper Point	45cm			D61132-45	D51132-45	D41132-45					
		20mm 1/2 Taper Point	70cm					D41202-70	D31202-70				
		26mm 1/2 Taper Point	70cm									D11262-70	
		26mm 1/2 Taper Point	70cm						D31262-70	D21262-70			





































PDO

Needle	Point Shape	Needle Description	Length	USP SIZE					
				4-0	3-0	2-0	0	#1	#2
		31mm 1/2 Taper Point	70cm	D41312-70	D31312-70	D21312-70	D11312-70		
		31mm 1/2 Taper Point Double	90cm		D31312D-90				
		40mm 1/2 Taper Point	70cm		D31402-70	D21402-70			
		36mm 1/2 Taper Point Heavy	70cm				D21362H-70	D11362H-70	DB1362H-70
		40mm 1/2 Taper Point Heavy	70cm 90cm					D11402H-70	DB1402H-90 DC1402H-90
		40mm 1/2 Taper Point Heavy	150cm loop					D11402HP-150	DB1402HP-150
		26mm 1/2 Taper Point Heavy	70cm				D21262H-70	D11262H-70	DB1262H-70
		45mm 1/2 Taper Point Heavy	90cm						DB11452H-90
		48mm 1/2 Taper Point Heavy	90cm					D11482H-90	DB1482H-90 DC1482H-90
		48mm 1/2 Taper Point Heavy	150cm loop					D11482HP-150	DB1482HP-150
		26mm 5/8 Taper Point Double	70cm			D31265D-70			
		36mm 5/8 Taper Point Double	70cm					D21365D-70	

PDO

Needle	Point Shape	Needle Description	Length	USP SIZE					#1
				7-0	6-0	3-0	2-0	0	
		36mm J Taper Point	70cm				D2136J-70		
		9.3mm 3/8 Cutting	70cm	D74093-70					
		9.3mm 3/8 Cutting Double	70cm	D74093D-70	D64093D-70				
		13mm 3/8 Cutting Double	70cm		D64133D-70				
		26mm 1/2 Taper Cut	70cm			D37262-70	D27262-70		
		36mm 1/2 Taper Cut	70cm 90cm				D27362-70	D17362-90	DB7362-90
		36mm 1/2 Taper Cut Heavy	90cm					D17362H-90	DB7362H-90
		40mm 1/2 Taper Cut	90cm					D17402-90	DB7402-90
		40mm 1/2 Taper Cut Heavy	90cm					D17402H-90	DB7402H-90
		40mm 1/2 Taper Cut Heavy	240cm loop						DB7402HP-240
		45mm 1/2 Taper Cut	90cm						DB7452-90
		48mm 1/2 Taper Cut	90cm					D17482-90	DB7482-90

PDO

Needle	Point Shape	Needle Description	Length	USP SIZE						#1	
				6-0	5-0	4-0	3-0	2-0	0		
		31mm J Taper Cut	70cm							D1731J-70	DB731J-70
		22mm 1/2 Reverse Cutting	70cm								DB3222-70
		40mm 1/2 Reverse Cutting	90cm								DB3402-90
		48mm 1/2 Reverse Cutting	90cm								DB3482-90
		16mm 3/8 Premium Cutting Reverse	45cm		D56163-45	D46163-45					
		19mm 3/8 Premium Cutting Reverse	45cm			D46193-45					
		11mm 3/8 Premium Cutting Reverse	45cm	D86113-45							
		26mm 3/8 Premium Cutting Reverse	70cm			D46263-70		D26263-70			
		19mm 3/8 Reverse Cutting	45cm			D43193-45					
		26mm 3/8 Reverse Cutting	45cm					D33263-45			
		13mm 3/8 Premium Cutting	45cm	D8F133-45	D5F133-45						
		13mm 3/8 Premium Cutting Reverse	45cm		D56163-45	D46163-45					
		16mm 3/8 Premium Cutting	45cm	D8F133-45	D5F133-45						
		19mm 3/8 Premium Cutting	45cm		D5F163-45	D4F163-45					
		19mm 3/8 Premium Cutting Reverse	45cm	D66133-45	D56133-45						
		26mm 3/8 Premium Cutting	45cm			D4F263-45					
		26mm 3/8 Premium Cutting	70cm					D3F263-70			
		26mm 3/8 Premium Cutting Reverse	70cm					D36263-70			

PDO

Needle	Point Shape	Needle Description	Length	USP SIZE			
				5-0	4-0	3-0	2-0
		36mm 3/8 Premium Cutting	70cm				D2F363-70
		16mm 3/8 Cutting	70cm	D54163-70	D44163-70		
		16mm 3/8 Reverse Cutting	70cm	D53163-70	D43163-70		
		22mm 1/2 Cutting	45cm			D34222-45	
		60mm Straight Cutting	70cm			D33600-70	D23600-70
		60mm Straight Cutting	70cm		D43600-70	D33600-70	
		60mm Straight Cutting	90cm			D33600-90	
		19mm Straight Taper Point	20cm		D41190-20		

PDO PRECUT





























Polydioxanone	1#	Mono	Violet	45x9	Precut	DB-45x9
Polydioxanone	0	Mono	Violet	45x10	Precut	D1-45x10
Polydioxanone	2-0	Mono	Violet	45x11	Precut	D2-45x11


























PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE						
				2-0	0	#1	#2	#3	#4	
		31mm 1/2 Blunt Point	75cm	A22312-75						
		36mm 1/2 Blunt Point	75cm	A22362-75						
		36mm 1/2 Blunt Point Heavy	75cm 90cm	A22362H-75		AB2362H-90				
		40mm 1/2 Blunt Point	75cm		A12402-75	AB2402-75				
		40mm 1/2 Blunt Point Heavy	90cm		A12402-90	AB2402H-90				
		45mm 1/2 Blunt Point	90cm			AB2452-90	AC2452-90	AD2452-90	AE2452-90	
		48mm 1/2 Blunt Point	90cm		A12482-90	AB2482-90				
		65mm 3/8 Blunt Point	100cm			AB2653-100				

PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE							
				6-0	5-0	4-0	3-0	2-0	0	#1	
		13mm 3/8 Taper Point	60cm			A41133-60					
		17mm 3/8 Taper Point	45cm			A41173-45					
		13mm 1/2 Taper Point	45cm	A61132U-45	A51132U-45						
		17mm 1/2 Taper Point	75cm		A51172-75	A41172-75					
		20mm 1/2 Taper Point	75cm			A41202-75	A31202-75				
		22mm 1/2 Taper Point	8x45cm			A41222-45x8	A31222-45x8	A21222-45x8			
		22mm 1/2 Taper Point	8x70cm				A31222-70x8				
		26mm 1/2 Taper Point Point visi-black	70cm				A31262A-70	A21262A-70			
		26mm 1/2 Taper Point	8x45cm				A31262-45x8	A21262-45x8			
		26mm 1/2 Taper Point	8x70cm				A31262-70x8	A21262-70x8			
		26mm 1/2 Taper Point	75cm				A31262-75	A21262-75			
		31mm 1/2 Taper Point Point Double	75cm 100cm					A21312D-75 A21312D-100			
		31mm 1/2 Taper Point	4x70cm				A31312-70x4	A21312-70x4	A11312-70x4		
		31mm 1/2 Taper Point	75cm				A31312-75	A21312-75	A11312-75	AB1312-75	

PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE					
				2-0	0	#1	#2	#3	#4
		36mm 1/2 Taper Point	8x70cm	A21362-70x8	A11362-70x8				
		36mm 1/2 Taper Point	75cm 90cm	A21362-75 A21362-90	A11362-75 A11362-90				
		40mm 1/2 Taper Point	75cm	A21402-75	A11402-75				
		13mm 1/2 Taper Point Point Heavy	70cm	A21132H-70					
		26mm 1/2 Taper Point Point Heavy	90cm					AB1262H-90	
		31mm 1/2 Taper Point Point Heavy	75cm		A11312H-75	AB1312H-75			
		36mm 1/2 Taper Point Point Heavy	8x45cm		A11362H-45x8	AB1362H-45x8			
		36mm 1/2 Taper Point Point Heavy	4x70cm			AB1362H-70x4	AC1362H-70x4	AD1362H-70x4	AE1362H-70x4
		36mm 1/2 Taper Point Point Heavy	90cm			AB1362H-90			
		40mm 1/2 Taper Point Point Heavy	8x45cm			AB1402H-45x8	AC1402H-45x8	AD1402H-45x8	AE1402H-45x8
		40mm 1/2 Taper Point Point Heavy	4x70cm			AB1402H-70x4	AC1402H-70x4	AD1402H-70x4	AE1402H-70x4
		40mm 1/2 Taper Point Point Heavy	75cm 90cm		A11402H-75 A11402H-90	AB1402H-75 AB1402H-90			

PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE					
				2-0	0	#1	#2	#3	#4
		45mm 1/2 Taper Point Heavy	75cm		A11452H-75	AB1452H-75	AC1452H-75	AD1452H-75	AE1452H-75
		48mm 1/2 Taper Point Heavy	8x45cm			AB1482H-45x8	AC1482H-45x8	AD1482H-45x8	AE1482H-45x8
		48mm 1/2 Taper Point Heavy	75cm 90cm		A11482H-75 A11482H-90	AB1482H-75 AB1482H-90	AC1482H-75 AC1482H-90	AD1482H-75 AD1482H-90	AE1482H-75 AE1482H-90
		65mm 1/2 Taper Point Heavy	75cm	A21652H-75					
		80mm 1/2 Taper Point Heavy	100cm			AB1802H-100			
		36mm 5/8 Taper Point Heavy	70cm	A21365H-70					
		40mm 5/8 Taper Point Heavy	75cm		A11405H-75				

PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE							
				6-0	5-0	4-0	3-0	2-0	0	#1	
		22mm J Taper Point	75cm			A4122J-75	A3122J-75				
		36mm J Taper Point	75cm					A2136J-75	A1136J-75		
		13mm 3/8 Taper Cut	75cm	A67133-75	A57133-75	A47133-75					
		20mm 1/2 Taper Cut	75cm				A37202-75				
		17mm 3/8 Taper Cut	75cm		A57172U-75	A47172U-75	A37172U-75				
		22mm 1/2 Taper Cut	70cm 70cm 75cm			A47222U-70	A37222-70	A27222-75			
		26mm 1/2 Taper Cut	75cm				A37262-75	A27262-75			
		26mm 1/2 Taper Cut Heavy	75cm					A27262H-75			
		31mm 1/2 Taper Cut	75cm					A27312-75	A17312-75	AB7312-75	
		36mm 1/2 Taper Cut	75cm 90cm				A37362-90	A27362-75 A27362-90	A17362-75 A17362-90		



























PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE					
				2-0	0	#1	#2	#3	#4
		36mm 1/2 Taper Cut Heavy 75cm 90cm			AB7362H-75 AB7362H-90	AC7362H-75	AD7362H-75	AE7362H-75	
		40mm 1/2 Taper Cut 75cm 75cm 90cm		A27402U-75 A27402-90	A17402U-75 A17402-90	AB7402-75 AB7402-90			
		40mm 1/2 Taper Cut Heavy 75cm 75cm		A27402H-75 A27402HU-75	A17402H-75 A17402HU-75	AB7402H-75 AB7402HU-75			
		45mm 1/2 Taper Cut 75cm		A27452-75	A17452-75	AB7452-75	AC7452-75	AD7452-75	AE7452-75
		80mm 1/2 Taper Cut 75cm			A17802-75	AB7802-75			
		31mm J Taper Cut 75cm				AB731J-75			
		22mm 1/2 Reverse Cutting 70cm 75cm			AB3222U-70		AC3222-75	AD3222-75	AE3222-75
		40mm 1/2 Reverse Cutting 75cm 90cm			A13402-75 A13402-90	AB3402-75 AB3402-90			
		48mm 1/2 Reverse Cutting 75cm 90cm			A13482-75 A13482-90	AB3482-75 AB3482-90	AC3482-75 AC3482-90	AD3482-75 AD3482-90	AE3482-75 AE3482-90

















PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE				
				6-0	5-0	4-0	3-0	2-0
		11mm 3/8 Premium Cutting Reverse 45cm		A66113U-45	A56113U-45			
		19mm 3/8 Premium Cutting Reverse 45cm			A56193U-45	A46193U-45	A36193U-45	
		26mm 3/8 Premium Cutting Reverse 45cm 75cm					A36263U-45 A36263U-75	A26263U-75
		19mm 3/8 Reverse Cutting 45cm 45cm				A43193-45 A43193U-45		
		26mm 3/8 Reverse Cutting 45cm 75cm					A33263-45 A33263U-75	
		36mm 3/8 Reverse Cutting 75cm						A23363-75
		45mm 3/8 Reverse Cutting 75cm						A23453-75
		13mm 3/8 Premium Cutting 45cm		A6F133U-45	A5F133U-45			
		13mm 3/8 Premium Cutting Reverse 45cm		A86133U-45	A56133U-45			
		16mm 3/8 Premium Cutting 45cm			A5F163U-45	A4F163U-45	A3F163U-45	
		16mm 3/8 Premium Cutting Reverse 45cm			A56163U-45	A46163U-45	A36163U-45	
		19mm 3/8 Premium Cutting 45cm				A4F193U-45	A3F193U-45	
		19mm 3/8 Premium Cutting Reverse 45cm				A46193U-45	A36193U-45	
		26mm 3/8 Premium Cutting 45cm 75cm				A4F263U-45 A4F263U-75	A3F263U-45 A3F263U-75	A2F263U-45 A2F263U-75
		26mm 3/8 Premium Cutting Reverse 45cm 75cm				A46263U-45 A46263U-75	A36263U-45 A36263U-75	A26263U-45 A26263U-75
		36mm 3/8 Premium Cutting 75cm					A3F363U-75	A2F363U-75
		36mm 3/8 Premium Cutting Reverse 75cm					A36363U-75	A26363U-75
		16mm 3/8 Cutting 75cm			A54163-75	A44163-75	A34163-75	
		22mm 1/2 Cutting 45cm 45cm				A44222-45	A34222-45 A34222U-45	

PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE					
				8-0	7-0	6-0	4-0	3-0	2-0
		26mm 5/8 Cutting	75cm					A34285U-75	
		13mm Straight Cutting	45cm				A43130-45		
		45mm Straight Cutting	45cm				A43450U-45		
		55mm Straight Cutting	75cm						A23500U-75
		60mm Straight Cutting	75cm 75cm						A23600-75 A33600U-75
		60mm Straight Cutting	75cm 75cm						A36600-75 A36600U-75
		17mm 5/8 Taper Cut	75cm					A47175U-75	
		6.4mm 3/8 Spatula	15cm	A88063-15					
		6.4mm 3/8 Spatula Double	30cm 45cm	A88063D-30 A88063D-45	A78063D-30				
		6.4mm 3/8 Spatula	10cm	A88063-10	A78063-10				
		7mm 1/2 Spatula Double	30cm 45cm	A88072D-30	A78072D-45				
		11mm 3/8 Reverse Cutting Double	45cm				A63113D-45		
		8mm 3/8 Reverse Cutting Double	30cm	A83083D-30					

PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE				
				8-0	7-0	6-0	5-0	4-0
		8mm 1/4 Spatula Double	20cm 45cm 45cm			A68084D-20 A68084D-45 A68084DU-45	A58084D-45 A58084DU-45	
		8mm 1/4 Spatula Double	45cm					A48084D-45
		11mm 3/8 Spatula Double	45cm			A68113DU-45	A58113DU-45	A48113DU-45
		8mm 1/2 Spatula Double	20cm 45cm 45cm			A68082D-20 A68082D-45 A68082DU-45	A58082D-45	
		10mm 5/8 Taper Cut	30cm				A67105-30	
		13mm 3/8 Reverse Cutting Double	45cm				A53133D-45	A43133D-45
		9.3mm 3/8 Taper Point	15cm 30cm	A81093-30			A61093-30	
		19mm Straight Taper Point visi-black	20cm					A41190A-20

PGLA PRECUT

PGLA	5-0	Braided	Violet	150cm×1	Precut	A5-150
PGLA	4-0	Braided	Violet	150cm×1	Precut	A4-150
PGLA	3-0	Braided	Violet	150cm×1	Precut	A3-150
PGLA	2-0	Braided	Violet	150cm×1	Precut	A2-150
PGLA	0	Braided	Violet	150cm×1	Precut	A1-150
PGLA	1	Braided	Violet	150cm×1	Precut	AB-150
PGLA	2	Braided	Violet	150cm×1	Precut	AC-150
PGLA	4-0	Braided	Violet	45cm×6	Precut	A4-45×6
PGLA	3-0	Braided	Violet	45cm×6	Precut	A3-45×6
PGLA	2-0	Braided	Violet	45cm×6	Precut	A2-45×6
PGLA	0	Braided	Violet	45cm×6	Precut	A1-45×6
PGLA	1	Braided	Violet	45cm×6	Precut	AB-45×6
PGLA	3-0	Braided	Violet	250cm	Reel	A3025001R
PGLA	2-0	Braided	Violet	250cm	Reel	A2025001R
PGLA	0	Braided	Violet	250cm	Reel	A1025001R
PGLA	1	Braided	Violet	250cm	Reel	AB025001R









RAPID PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE									
				6-0	5-0	4-0	3-0	2-0	0	#1	#2		
		17mm 1/2 Taper Point	75cm		J51172-75	J41172-75							
		22mm 1/2 Taper Point	75cm			J41222-75	J31222-75						
		31mm 1/2 Taper Point	75cm					J21312-75					
		40mm 1/2 Taper Point Heavy	90cm							J11402H-90			
		48mm 1/2 Taper Point Heavy	90cm					J21482H-90					
		26mm 1/2 Taper Cut	90cm					J27262-90					
		36mm 1/2 Taper Cut	90cm 120cm					J27362-90 J27362-120	J17362-90	JB7362-90	JC7362-90		
		40mm 1/2 Taper Cut	90cm					J27402-90					
		45mm 1/2 Taper Cut	90cm					J27452-90					
		26mm 1/2 Reverse Cutting	75cm					J23262-75					
		11mm 3/8 Reverse Cutting	45cm	J63113-45	J53113-45								
		13mm 3/8 Premium Cutting Reverse	45cm		J56133-45	J46133-45							
		19mm 3/8 Premium Cutting Reverse	75cm			J46193-75	J36193-75						
		26mm 3/8 Premium Cutting Reverse	75cm				J36263-75	J26263-75					

















RAPID PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE		
				4-0	3-0	2-0
		36mm 3/8 Premium Cutting Reverse	75cm		J36363-75	J26363-75
		13mm 3/8 Reverse Cutting	75cm	J43133-75		
		19mm 3/8 Reverse Cutting	75cm	J43193-75	J33193-75	J23193-75
		26mm 3/8 Reverse Cutting	75cm		J33263-75	J23263-75
		16mm 3/8 Premium Cutting	75cm	J4F163-75	J3F163-75	
		16mm 3/8 Premium Cutting Reverse	75cm	J46163-75	J36163-75	
		16mm 3/8 Cutting	75cm	J44163-75	J34163-75	
		22mm 1/2 Premium Cutting	45cm		J3F222-45	
		22mm 1/2 Premium Cutting Reverse	45cm		J36222-45	
		22mm 1/2 Cutting	45cm	J44222-45	J34222-45	
		26mm 5/8 Cutting	75cm		J34265-75	
		13mm Straight Cutting	45cm	J43130-45		
		45mm Straight Cutting	45cm	J43450-45		
		60mm Straight Cutting	75cm		J33600-75	J23600-75
		17mm 5/8 Taper Cut	75cm	J47175-75		
		Precut 150x12	150cm		J3-150x12	J2-150x12

PGCL

Needle	Point Shape	Needle Description	Length	USP SIZE				
				4-0	2-0	0	#1	#2
	●	31mm 1/2 Blunt Point	70cm		Q22312V-70			
	●	40mm 1/2 Blunt Point	90cm			Q12402V-90	QB2402V-90	QC2402V-90
	●	45mm 1/2 Blunt Point	90cm				QB2452V-90	QC2452V-90
	●	48mm 1/2 Blunt Point	90cm				QB2482V-90	QC2482V-90
	●	70mm 1/2 Blunt Point	90cm				QB2702V-90	QC2702V-90
	●	65mm 3/8 Blunt Point	90cm				QB2653V-90	QC2653V-90
	⊙	17mm 3/8 Taper Point	70cm	Q41172V-70				
	⊙	31mm 3/8 Taper Point	70cm		Q21313V-70			

PGCL

Needle	Point Shape	Needle Description	Length	USP SIZE						
				6-0	4-0	3-0	2-0	0	#1	#2
	⊙	13mm 1/2 Taper Point	45cm	Q81132V-45						
	⊙	17mm 1/2 Taper Point	70cm		Q41172V-70	Q31172V-70				
	⊙	22mm 1/2 Taper Point	70cm		Q41222V-70	Q31222V-70	Q21222V-70			
	⊙	26mm 1/2 Taper Point	70cm			Q31262V-70	Q21262V-70			
	⊙	26mm 1/2 Taper Point	8x70cm				Q31262V-70-8			
	⊙	26mm 1/2 Taper Point	8x45cm				Q31262V-45-8			
	⊙	26mm 1/2 Taper Point	70cm				Q31262V-70			
	⊙	26mm 1/2 Taper Point Double	70cm			Q31262DV-70	Q21262DV-70			
	⊙	31mm 1/2 Taper Point	70cm			Q31312V-70	Q21312V-70	Q11312V-70	QB1312V-70	QC1312V-70
	⊙	31mm 1/2 Taper Point	70cm				Q21312-70			
	⊙	36mm 1/2 Taper Point	70cm				Q21362V-70	Q11362V-70	QB1362V-70	QC1362V-70
	⊙	26mm 1/2 Taper Point Heavy	90cm				Q21262HV-90	Q11262HV-90	QB1262HV-90	QC1262HV-90
	⊙	35mm 1/2 Taper Point Heavy	90cm				Q21352HV-90	Q11352HV-90	QB1352HV-90	QC1352HV-90
	⊙	40mm 1/2 Taper Point Heavy	70cm					Q11402HV-70	QB1402HV-70	QC1402HV-70
	⊙	45mm 1/2 Taper Point Heavy	90cm						QB1452HV-90	QC1452HV-90
	⊙	48mm 1/2 Taper Point Heavy	70cm				Q21482HV-70			

PGCL

Needle	Point Shape	Needle Description	Length	USP SIZE						
				6-0	3-0	2-0	0	#1	#2	
		26mm 5/8 Taper Point	70cm		Q31265V-70	Q21265V-70				
		26mm 5/8 Taper Point Double	70cm		Q31265DV-70					
		36mm 5/8 Taper Point	70cm			Q21365V-70	Q11365V-70			
		36mm 5/8 Taper Point Double	70cm			Q21365DV-70				
		26mm 1/2 Taper Cut	70cm			Q27262V-70				
		26mm 1/2 Taper Cut	70cm		Q37262-70	Q27262-70				
		36mm 1/2 Taper Cut	70cm			Q27362V-70	Q17362V-70	Q87362V-70	Q27362V-70	
		36mm 1/2 Reverse Cutting	70cm			Q23362V-70	Q13362V-70			
		40mm 1/2 Reverse Cutting	90cm					Q83402V-90	Q23402V-90	
		11mm 3/8 Premium Cutting	45cm	Q6F113-45						
		11mm 3/8 Premium Cutting Reverse	45cm	Q68113-45						
		13mm 3/8 Premium Cutting	45cm	Q6F133-45						
		13mm 3/8 Premium Cutting Reverse	45cm	Q68133-45						
		24mm 3/8 Premium Cutting	70cm		Q3F243-70					
		24mm 3/8 Premium Cutting Reverse	70cm		Q36243-70					



























PGCL

Needle	Point Shape	Needle Description	Length	USP SIZE			
				5-0	4-0	3-0	2-0
		13mm 3/8 Premium Cutting	45cm	Q6F133-45			
		13mm 3/8 Premium Cutting Reverse	45cm	Q68133-45			
		16mm 3/8 Premium Cutting	45cm	Q6F163-45	Q4F163-45		
		16mm 3/8 Premium Cutting Reverse	45cm	Q68163-45	Q46163-45		
		19mm 3/8 Premium Cutting	45cm		Q4F193-45	Q3F193-45	
		19mm 3/8 Premium Cutting Reverse	45cm		Q46193-45	Q36193-45	
		26mm 3/8 Premium Cutting	70cm		Q4F263-70	Q3F263-70	
		26mm 3/8 Premium Cutting Reverse	70cm		Q46263-70	Q36263-70	
		19mm 3/8 Reverse Cutting	45cm	Q63193-45			
		19mm 3/8 Reverse Cutting	45cm		Q43193-45		
		19mm 3/8 Reverse Cutting	70cm	Q63193-70		Q33193-70	
		26mm 3/8 Reverse Cutting	70cm			Q33263-70	Q23263-70
		60mm Straight Cutting	70cm		Q43600-70	Q33600-70	Q23600-70
		8mm 1/4 Spatula Double	45cm		Q48084D-45		

















PGCL PRECUT

PGCL	3-0	Mono	Violet	150cm	Precut	Q3-150V
PGCL	2-0	Mono	Violet	150cm	Precut	Q2-150V
PGCL	0	Mono	Violet	150cm	Precut	Q1-150V
PGCL	1	Mono	Violet	150cm	Precut	QB-150V
PGCL	3-0	Mono	Violet	250cm	Reel	Q3025001RV
PGCL	2-0	Mono	Violet	250cm	Reel	Q2025001RV
PGCL	1	Mono	Violet	250cm	Reel	QB025001RV

PLAIN CATGUT

Needle	Point Shape	Needle Description	Length	USP SIZE									
				6-0	5-0	4-0	3-0	2-0	0	#1	#2		
		12mm 3/8 Reverse Cutting	45cm	L63123-45	L53123-45	L43123-45							
		13mm 1/2 Taper Point	75cm		L51132-75								
		16mm 1/2 Taper Point	75cm		L51162-75								
		16mm 1/2 Reverse Cutting	75cm			L43162-75	L33162-75						
		16mm 3/8 Reverse Cutting	75cm		L53163-75	L43163-75	L33163-75						
		19mm 1/2 Taper Point	75cm			L41192-75	L31192-75						
		24mm 1/2 Taper Point	75cm			L41242-75							
		24mm 1/2 Reverse Cutting	75cm				L33242-75	L23242-75	L13242-75				
		24mm 3/8 Reverse Cutting	75cm			L43243-75	L33243-75	L23243-75	L13243-75				
		26mm 1/2 Taper Point	75cm 90cm			L41262-75 L41262-90	L31262-75 L31262-90	L21262-75 L21262-90	L11262-75 L11262-90	LB1262-75 LB1262-90	LC1262-75 LC1262-90		
		26mm 1/2 Reverse Cutting	75cm				L33262-75	L23262-75					
		30mm 1/2 Taper Point	75cm							LB1302-75			
		30mm 1/2 Reverse Cutting	75cm				L33302-75	L23302-75	L13302-75				

































PLAIN CATGUT

Needle	Point Shape	Needle Description	Length	USP SIZE			
				2-0	0	#1	#2
		38mm 1/2 Taper Point	90cm		L11382-90		
		38mm 1/2 Taper Point Heavy	75cm	L21382H-75	L11382H-75		
		38mm 1/2 Reverse Cutting	75cm			LB3382-75	
		40mm 1/2 Taper Point	75cm	L21402-75	L11402-75	LB1402-75	LC1402-75
		40mm 1/2 Reverse Cutting	75cm	L23402-75	L13402-75	LB3402-75	LC3402-75
		50mm 1/2 Taper Point	75cm		L11502-75	LB1502-75	
		50mm 1/2 Taper Point Heavy	75cm	L21502H-75			
		64mm 1/2 Taper Point Heavy	75cm	L21642H-75			





















PLAIN CATGUT PRECUT

PLAIN CATGUT	1-0	Braided	Yellow	75x1	L1-75
PLAIN CATGUT	1-0	Braided	Yellow	150x1	L1-150
PLAIN CATGUT	2-0	Braided	Yellow	75x1	L2-75
PLAIN CATGUT	2-0	Braided	Yellow	150x1	L2-150
PLAIN CATGUT	3-0	Braided	Yellow	75x1	L3-75
PLAIN CATGUT	3-0	Braided	Yellow	150x1	L3-150
PLAIN CATGUT	4-0	Braided	Yellow	75x1	L4-75
PLAIN CATGUT	4-0	Braided	Yellow	150x1	L4-150
PLAIN CATGUT	5-0	Braided	Yellow	75x1	L5-75
PLAIN CATGUT	5-0	Braided	Yellow	150x1	L5-150
PLAIN CATGUT	6-0	Braided	Yellow	75x1	L6-75
PLAIN CATGUT	1#	Braided	Yellow	75x1	LB-75
PLAIN CATGUT	1#	Braided	Yellow	150x1	LB-150
PLAIN CATGUT	2#	Braided	Yellow	75x1	LC-75
PLAIN CATGUT	2#	Braided	Yellow	150x1	LC-150
PLAIN CATGUT	3#	Braided	Yellow	75x1	LD-75
PLAIN CATGUT	3#	Braided	Yellow	150x1	LD-150

CHROMIC CATGUT

Needle	Point Shape	Needle Description	Length	USP SIZE									
				6-0	5-0	4-0	3-0	2-0	0	#1	#2		
		12mm 3/8 Taper Point	75cm			C41123-75							
		12mm 3/8 Reverse Cutting	45cm	C63123-45	C53123-45	C43123-45							
		13mm 1/2 Taper Point	75cm		C51132-75	C41132-75							
		16mm 1/2 Taper Point	75cm		C51162-75								
		16mm 3/8 Reverse Cutting	75cm			C43163-75							
		19mm 1/2 Taper Point	75cm			C41192-75	C31182-75	C21182-75					
		19mm 3/8 Reverse Cutting	75cm		C53193-75	C43193-75	C33193-75						
		22mm 1/2 Taper Point	75cm			C41222-75	C31222-75	C21222-75	C11222-75				
		22mm 3/8 Taper Point	75cm				C31223-75	C21223-75					
		24mm 3/8 Reverse Cutting	75cm			C43243-75	C33243-75	C23243-75	C13243-75				
		26mm 1/2 Taper Point	75cm 90cm			C41262-75 C41262-90	C31262-75 C31262-90	C21262-75 C21262-90	C11262-75 C11262-90	CB1262-75 CB1262-90			
		26mm 1/2 Taper Point Cut	75cm					C27262-75					
		30mm 1/2 Taper Point	75cm 90cm				C31302-75 C31302-90	C21302-75 C21302-90	C11302-75 C11302-90	CB1302-75 CB1302-90			
		30mm 3/8 Taper Point	75cm				C31303-75		C11303-75	CB1303-75	CC1303-75		
		36mm 1/2 Reverse Cutting	75cm										CC3362-75
		37mm 1/2 Taper Point	75cm				C31372-75	C21372-75	C11372-75	CB1372-75	CC1372-75		

CHROMIC CATGUT

Needle	Point Shape	Needle Description	Length	USP SIZE			
				2-0	0	#1	#2
		37mm 1/2 Taper Point Heavy	75cm 90cm		C11372H-75 C11372H-90	CB1372H-75 CB1372H-90	CC1372H-75 CC1372H-90
		37mm 1/2 Taper Cut	75cm	C27372-75	C17372-75	CB7372-75	CC7372-75
		37mm 1/2 Taper Cut Heavy	75cm	C27372H-75	C17372H-75	CB7372H-75	CC7372H-75
		40mm 1/2 Taper Point Heavy	75cm		C11402H-75	CB1402H-75	CC1402H-75
		40mm 1/2 Reverse Cutting	75cm	C23402-75	C13402-75	CB3402-75	
		45mm 1/2 Taper Point	75cm	C21452-75	C11452-75	CB1452-75	CC1452-75
		45mm 1/2 Reverse Cutting	75cm		C13452-75	CB3452-75	
		45mm 1/2 Taper Cut Heavy	75cm	C27452H-75	C17452H-75	CB7452H-75	CC7452H-75
		50mm 1/2 Taper Point	75cm	C21502-75	C11502-75	CB1502-75	CC1502-75
		52mm 1/2 Reverse Cutting	75cm		C13522-75	CB3522-75	

CHROMIC CATGUT PRECUT

CHROMIC CATGUT	1-0	Braided	Brown	75x1	C1-75
CHROMIC CATGUT	1-0	Braided	Brown	150x1	C1-150
CHROMIC CATGUT	2-0	Braided	Brown	75x1	C2-75
CHROMIC CATGUT	2-0	Braided	Brown	150x1	C2-150
CHROMIC CATGUT	3-0	Braided	Brown	75x1	C3-75
CHROMIC CATGUT	3-0	Braided	Brown	150x1	C3-150
CHROMIC CATGUT	4-0	Braided	Brown	75x1	C4-75
CHROMIC CATGUT	4-0	Braided	Brown	150x1	C4-150
CHROMIC CATGUT	5-0	Braided	Brown	75x1	C5-75
CHROMIC CATGUT	5-0	Braided	Brown	150x1	C5-150
CHROMIC CATGUT	6-0	Braided	Brown	75x1	C6-75
CHROMIC CATGUT	1#	Braided	Brown	75x1	CB-75
CHROMIC CATGUT	1#	Braided	Brown	150x1	CB-150
CHROMIC CATGUT	2#	Braided	Brown	75x1	CC-75
CHROMIC CATGUT	2#	Braided	Brown	150x1	CC-150
CHROMIC CATGUT	3#	Braided	Brown	75x1	CD-75
CHROMIC CATGUT	3#	Braided	Brown	150x1	CD-150













SILK

Needle	Point Shape	Needle Description	Length	USP SIZE									
				6-0	5-0	4-0	3-0	2-0	0	#1	#2		
		9.3mm 3/8 Taper Point	45cm	S61093-45									
		11mm 3/8 Taper Point	75cm		S51113-75								
		17mm 3/8 Taper Point	75cm		S51173-75	S41173-75							
		20mm 3/8 Taper Point	75cm				S31203-75						
		17mm 1/2 Taper Point	75cm			S41172-75	S31172-75						
		20mm 1/2 Taper Point	75cm			S41202-75	S31202-75						
		26mm 1/2 Taper Point	6x35cm					S21262-35x6					
		26mm 1/2 Taper Point	8x45cm				S31262-45x8	S21262-45x8					
		26mm 1/2 Taper Point	75cm				S31262-75	S21262-75					
		26mm 1/2 Taper Point	8x75cm				S31262-75x8	S21262-75x8					
		31mm 1/2 Taper Point	75cm				S31312-75	S21312-75	S11312-75				
		36mm 1/2 Taper Point	75cm				S31362-75				SB1362-75		
		40mm 1/2 Taper Point	75cm						S21402-75				
		31mm 1/2 Taper Point Heavy	75cm									SB1312H-75	
		40mm 1/2 Taper Point Heavy	75cm										SC1402H-75
		48mm 1/2 Cutting	75cm							S14482-75			













SILK

Needle	Point Shape	Needle Description	Length	USP SIZE						
				6-0	5-0	4-0	3-0	2-0	0	
		19mm 3/8 Premium Cutting Reverse	45cm		S56193-45	S46193-45	S36193-45			
		26mm 3/8 Premium Cutting Reverse	45cm			S46263-45	S36263-45	S26263-45		
		36mm 3/8 Premium Cutting Reverse	75cm				S36363-75	S26363-75		
		12mm 3/8 Reverse Cutting	75cm		S53123-75					
		13mm 3/8 Reverse Cutting	45cm			S43133-45				
		13mm 3/8 Reverse Cutting Double	45cm			S43133D-45				
		19mm 3/8 Reverse Cutting	45cm			S43193-45				
		26mm 3/8 Reverse Cutting	45cm				S33263-45	S23263-45		
		36mm 3/8 Reverse Cutting	75cm				S33363-75	S23363-75		
		45mm 3/8 Reverse Cutting	75cm							S13453-75
		16mm 3/8 Premium Cutting	45cm		S5F163-45	S4F163-45	S3F163-45			
		16mm 3/8 Premium Cutting Reverse	45cm		S56163-45	S46163-45	S36163-45			
		11mm 3/8 Cutting	45cm		S54113-45					
		13mm 3/8 Cutting	75cm		S54133-75					
		16mm 3/8 Cutting Double	38cm		S54163D-38	S44163D-38	S34163D-38			
		16mm 3/8 Cutting	75cm 75cm		S54163-75x2	S44163-75x2	S34163-75x2	S24163-75x2		
		16mm 3/8 Cutting	45cm	S64163-45	S54163-45	S44163-45				
		26mm 3/8 Cutting	45cm		S54263-45	S44263-45	S34263-45			
		40mm 3/8 Cutting	100cm					S24403-100		

SILK

Needle	Point Shape	Needle Description	Length	USP SIZE								
				5-0	4-0	3-0	2-0	0	#1	#2		
	△	80mm 3/8 Cutting	75cm						S14803-75	SB4803-75		
	△	90mm 3/8 Cutting	100cm								SB4903-100	SC4903-100
	△	22mm 1/2 Premium Cutting	45cm						S3F222-45			
	▽	22mm 1/2 Premium Cutting Reverse	45cm						S36222-45			
	△	16mm 1/2 Cutting	45cm			S44162-45						
	△	17mm 1/2 Cutting	75cm	S54172-75								
	△	22mm 1/2 Cutting	45cm			S34222-45	S24222-45					
	△	26mm 5/8 Cutting	75cm			S34265-75						
	△	75mm 5/8 Cutting	75cm						S24755-75			
	▽	55mm Straight Cutting	100cm						S23550-100			
	▽	60mm Straight Cutting	75cm				S23600-75	S13600-75				
	▽	75mm Straight Cutting	100cm			S33750-100	S23750-100	S13750-100				
















SILK

Needle	Point Shape	Needle Description	Length	USP SIZE									
				10-0	9-0	8-0	7-0	6-0	5-0	4-0	3-0	2-0	
	▽	6.5mm 3/8 Spatula	30cm					S88063-30	S78063-30				
	▽	6.5mm 3/8 Spatula Double	30cm	SA8063D-30	S98063D-30	S88063D-30							
	▽	6.5mm 3/8 Spatula Double	45cm			S98063D-45	S88063D-45						
	▽	7mm 1/2 Spatula Double	30cm					S88072D-30					
	▽	8mm 1/4 Spatula Double	45cm						S68084D-45				
	▽	8mm 3/8 Reverse Cutting Double	45cm					S73083D-45					
	▽	11mm 3/8 Reverse Cutting	45cm						S63113-45				
	▽	11mm 3/8 Reverse Cutting Double	45cm						S63113D-45				
	▽	8mm 1/2 Reverse Cutting	45cm					S83082-45					
	▽	8mm 1/2 Reverse Cutting Double	45cm					S83082D-45					
	△	16mm 3/8 Cutting	4x45cm							S44163-45x4		S24163-45x4	
	⊙	22mm J Taper Point	20cm										S2122J-20







NYLON

Needle	Point Shape	Needle Description	Length	USP SIZE		
				2-0	0	#1
	●	40mm 1/2 Blunt Point	150cm Loop		N12402P-150	
	●	48mm 1/2 Blunt Point	150cm Loop			NB2482P-150
	⊙	31mm 1/2 Taper Point	100cm	N21312-100		NB1312-100
	⊙	31mm 1/2 Taper Point	150cm Loop		N11312P-150	
	⊙	36mm 1/2 Taper Point heavy	150cm Loop			NB1362HP-150
	⊙	40mm 1/2 Taper Point heavy	100cm		N11402H-100	NB1402H-100
	⊙	40mm 1/2 Taper Point heavy	150cm Loop		N11402HP-100	
	⊙	48mm 1/2 Taper Point heavy	100cm			NB1482H-100
	⊙	48mm 1/2 Taper Point heavy	150cm Loop		N11482HP-150	NB1482HP-150
	⊙	48mm 1/2 Taper Point heavy	200cm Loop			NB1482HP-200
	⊕	45mm 1/2 Taper Cut	200cm Loop			NB7452P-200
	▽	40mm 1/2 Reverse Cutting	100cm		N13402-100	
	▽	48mm 1/2 Reverse Cutting	100cm			NB3482-100

































NYLON

Needle	Point Shape	Needle Description	Length	USP SIZE				
				6-0	5-0	4-0	3-0	2-0
	▽	13mm 3/8 Premium Cutting Reverse	45cm	N66133-45	N56133-45			
	▽	16mm 3/8 Premium Cutting Reverse	45cm			N46163-45		
	▽	19mm 3/8 Premium Cutting Reverse	45cm 75cm		N56193-45 N56193-75	N46193-45 N46193-75	N36193-45 N36193-75	
	▽	24mm 3/8 Premium Cutting Reverse	45cm				N36243-45	
	▽	8mm 3/8 Premium Cutting Reverse	45cm	N66083-45	N56083-45			
	▽	13mm 3/8 Premium Cutting Reverse	45cm			N46133-45		
	▽	16mm 3/8 Premium Cutting Reverse	45cm	N66163-45	N56163-45			
	▽	26mm 3/8 Premium Cutting Reverse	45cm 75cm				N36263-45 N36263-75	N26263-45 N26263-75
	▽	36mm 3/8 Premium Cutting Reverse	75cm				N36363-75	
	▽	19mm 3/8 Reverse Cutting	45cm			N43193-45		
	▽	26mm 3/8 Reverse Cutting	45cm				N33263-45	
	▽	45mm 3/8 Reverse Cutting	100cm					N23453-100
	△	16mm 3/8 Premium Cutting	45cm	N6F163-45	N5F163-45			
	△	19mm 3/8 Premium Cutting	45cm			N4F193-45		
	△	26mm 3/8 Premium Cutting	45cm	N6F263-45	N5F263-45			
	▽	26mm 3/8 Premium Cutting Reverse	45cm	N66263-45	N56263-45			

NYLON

Needle	Point Shape	Needle Description	Length	USP SIZE								
				6-0	5-0	3-0	2-0	0	#1	#2		
		40mm 3/8 Premium Cutting	75cm				N2F403-75					
		16mm 3/8 Cutting	35cm	N64163-35								
		40mm 3/8 Cutting	45cm				N24403-45					
		60mm 3/8 Cutting	100cm				N24603-100					
		90mm 3/8 Cutting	2x50cm								NB4903-50x2	
		90mm 3/8 Cutting	75cm									NB4903-75
		90mm 3/8 Cutting	100cm				N24903-100	N14903-100	NB4903-100	NC4903-100		
		55mm Straight Cutting	100cm				N23550-100					
		60mm Straight Cutting	75cm					N33600-75				
		65mm Straight Cutting	75cm					N53650-75				

NYLON

Needle	Point Shape	Needle Description	Length	USP SIZE		
				10-0	9-0	8-0
		6.4mm 3/8 Spatula	30cm	NA8063-30		
		6.4mm 3/8 Spatula Double	30cm	NA8063D-30		
		5.5mm 1/2 Spatula Double	30cm	NA8052D-30		
		6.4mm 3/8 Spatula	30cm	NA8063-30		
		6.4mm 3/8 Spatula Double	30cm	NA8063D-30	N98063D-30	
		5.5mm 1/2 Spatula Double	30cm	NA8052D-30		
		6.4mm 3/8 Spatula Double	30cm	NA8063D-30	N98063D-30	
		5.5mm 1/2 Spatula	15cm	NA8052-15		
		7mm 1/2 Spatula	30cm	NA8072-30		
		7mm 1/2 Spatula Double	30cm	NA8072D-30		
		5mm 3/8 Taper Point	13cm	NA1053-13		
		5mm 3/8 Taper Point VISI-BLACK	13cm		N91053A-13	
		5mm 3/8 Taper Point	13cm	NA1053-13	N91053-13	N81053-13
		6.5mm 3/8 Taper Point VISI-BLACK	13cm			N81063A-13
		6.4mm 3/8 Taper Point	13cm	NA1063-13		N81063-13
		6.4mm 3/8 Taper Point	30cm	NA1063-30		

NYLON

Needle	Point Shape	Needle Description	Length	USP SIZE		
				10-0	9-0	8-0
		9.3mm 3/8 Taper Point	45cm			N81093-45
		5mm 1/2 Taper Point	13cm	NA1052-13		
		8MM 1/2 Reverse Cutting	45cm			N83082-45

MOLYLON PRE-CUT

MOLYLON	#1	Mono	Black/Blue	2x100cm	Precut	NB-100x2
MOLYLON	#2	Mono	Black/Blue	2x100cm	Precut	NC-100x2



POLYESTER

Needle	Point Shape	Needle Description	Length	USP SIZE					
				6-0	5-0	4-0	3-0	2-0	0
		11mm 3/8 Taper Point Double	75cm	E61113D-75					
		13mm 3/8 Taper Point Double	75cm		E51133D-75	E41133D-75			
		17mm 1/2 Taper Point Double	80cm		E51172D-80		E31172D-80		
		17mm 1/2 Taper Point Double	10x75cm				E31172D-75x10		
		17mm 1/2 Taper Point Double	90cm					E21172D-90	
		20mm 1/2 Taper Point Double	75cm			E41202D-75		E21202D-75	
		20mm 1/2 Taper Point Double	10x75cm					E21202D-75x10	
		26mm 1/2 Taper Point	75cm			E41262-75	E31262-75		
		26mm 1/2 Taper Point Double	90cm					E21262D-90	
		26mm 1/2 Taper Point Double	100cm				E31262D-100		
		31mm 1/2 Taper Point	75cm				E31312-75	E21312-75	E11312-75
		70mm 1/2 Taper Point Double Heavy	75cm						E11702DH-75
		17mm 3/8 Taper Cut Double	75cm					E37173DW-75	
		17mm 3/8 Taper Cut Double	90cm					E37173D-90	
		17mm 3/8 Taper Cut Double	10x90cm						E27173D-90x10
		25mm 3/8 Taper Cut Double	10x90cm						E27253D-90x10


POLYESTER

Needle	Point Shape	Needle Description	Length	USP SIZE				
				5-0	4-0	3-0	2-0	0
		26mm 3/8 Taper Cut Double	45cm		E47263DW-75			
		26mm 3/8 Taper Cut Double	90cm				E27263D-90	
		17mm 1/2 Taper Cut Double Pledget	10x75cm				E27172DT-75x10	
		17mm 1/2 Taper Cut Double	10x75cm				E27172D-75x10	
		White 17mm 1/2 Taper Cut Double	90cm		E47172DW-90		E27172DW-90	
		17mm 1/2 Taper Cut Double	90cm	E57172D-90	E47172D-90		E27172D-90	
		17mm 1/2 Taper Cut Double Pledget	4x90cm				E27172DT-90x4	
		17mm 1/2 Taper Cut Double	4x90cm				E27172D-90x4	
		26mm 1/2 Taper Cut Double Pledget	10x75cm				E27262DT-75x10	
		26mm 1/2 Taper Cut Double	10x75cm				E27262D-75x10	
		26mm 1/2 Taper Cut Double Pledget	90cm				E27262DT-90	
		White 26mm 1/2 Taper Cut Double	90cm				E27262DW-90	
		26mm 1/2 Taper Cut Double	90cm		E37262D-90	E27262D-90	E17262D-90	
		26mm 1/2 Taper Cut Double Pledget	4x90cm				E27262DT-90x4	
		26mm 1/2 Taper Cut Double	4x90cm				E27262D-90x4	

POLYESTER

Needle	Point Shape	Needle Description	Length	USP SIZE				
				4-0	2-0	0	#1	#2
		36mm 1/2 Taper Cut Double	90cm		E27362D-90			
		48mm 1/2 Taper Cut	75cm			E17482-90		
		40mm 1/2 Taper Cut Heavy	75cm					EC7402H-75
		45mm 1/2 Taper Cut Heavy	4x75cm					EC7452H-75x4
		25mm Straight Taper Cut	45cm	E47250DW-45				
		22mm 1/2 Reverse Cutting	75cm			E13222-75	EB3222-75	
		22mm 1/2 Reverse Cutting	90cm					EC3222D-90
		19mm 3/8 Premium Cutting	45cm	E4F193-45				
		19mm 3/8 Premium Cutting Reverse	45cm	E46193-45				
		90mm 3/8 Cutting	2x50cm					EB4903-50x2
		90mm 3/8 Cutting	100cm		E24903-100			EB4903-100














POLYESTER

Needle	Point Shape	Needle Description	Length	USP SIZE			
				5-0	4-0	2-0	0
		22mm 1/2 Reverse Cutting	75cm			E23222-75	
		60mm Straight Cutting	75cm			E23600-75	
		8mm 1/4 Spatula Double	45cm	E58084DW-45	E48084DW-45		
		8mm 1/4 Spatula Double	45cm	E58084D-45			
		8mm 1/2 Spatula Double	45cm	E58082DW-45			
		8mm 1/2 Spatula Double	45cm	E58082D-45			
		10mm 5/8 Taper cut	23cm	E57105W-23			
		22mm Straight Taper Point	107cm				E11220-107

























POLYESTER PRECUT

POLYESTER	1#	Braided	Green	180cm	Precut	EB-180
POLYESTER	2#	Braided	Green	180cm	Precut	EC-180
POLYESTER	3-0	Braided	Green	13x60cm	Precut	E3-60x13
POLYESTER	2-0	Braided	Green	13x60cm	Precut	E2-60x13
POLYESTER	0	Braided	Green	13x60cm	Precut	E1-60x13
















POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE			
				8-0	7-0	6-0	#1
		40mm 1/2 Blunt Point	100cm				PB2402-100
		45mm 1/2 Blunt Point	100cm				PB2452-100
		6.4mm 3/8 Taper Point	13cm	P81063-13			
		6.4mm 3/8 Taper Point Double	45cm	P81063D-45			
		6.4mm 3/8 Taper Point Double	60cm	P81063D-60			
		8mm 3/8 Taper Point Black Double	60cm	P81083AD-60	P71083AD-60		
		8mm 3/8 Taper Point Double	60cm	P81083D-60	P71083D-60		
		9.3mm 3/8 Taper Point Black Double	60cm		P71093AD-60		
		9.3mm 3/8 Taper Point Double	60cm		P71093D-60		
		9.3mm 3/8 Taper Point Black Double	4x60cm		P71093AD-60x4		
		9.3mm 3/8 Taper Point Black Double	60cm			P61093AD-60	
		9.3mm 3/8 Taper Point Double	45cm 60cm			P61093D-45 P61093D-60	
		9.3mm 3/8 Taper Point Double	4X60cm			P61093D-60x4	
		11mm 3/8 Taper Point Double	60cm			P61113D-60	

POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE				
				7-0	6-0	5-0	4-0	3-0
		13mm 3/8 Taper Point Black Double	60cm 75cm		P61133AD-60 P61133AD-75	P51133AD-60		
		13mm 3/8 Taper Point Point Double	60cm 75cm	P71133D-60	P61133D-60 P61133D-75			
		13mm 3/8 Taper Point	75cm			P51133-75		
		13mm 1/2 Taper Point Black Double	75cm			P51132AD-75		
		13mm 1/2 Taper Point Double	75cm			P51132D-75		
		17mm 1/2 Taper Point Black Double	90cm			P51172AD-90	P41172AD-90	
		17mm 1/2 Taper Point Double	90cm			P51172D-90	P41172D-90	P31172D-90
		20mm 1/2 Taper Point Black Double	90cm				P41202AD-90	
		20mm 1/2 Taper Point Double	90cm				P41202D-90	
		22mm 1/2 Taper Point	75cm					P31222-75
		26mm 1/2 Taper Point Black Double	90cm				P41262AD-90	P31262AD-90
		26mm 1/2 Taper Point Double	75cm 90cm 120cm			P51262D-75	P41262D-90	P31262D-90 P31262D-120

POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE			
				3-0	2-0	0	#1
		31mm 1/2 Taper Point Black Double	120cm	P31312AD-120			
		31mm 1/2 Taper Point	75cm			P21312-75	
		31mm 1/2 Taper Point Double	90cm	P31312D-90	P21312D-90		
		31mm 1/2 Taper Point Heavy	100cm	P31312H-100			
		40mm 1/2 Taper Point Heavy	100cm				PB1402H-100
		40mm 1/2 Taper Point Heavy	100cm			P11402H-100	
		65mm 1/2 Taper Point Heavy	100cm				PB1652H-100
		70mm Straight Taper Point	75cm			P21650-75	

POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE						
				8-0	7-0	6-0	5-0	4-0	3-0	
		8mm 3/8 Taper Cut Black Double	60cm	P87083AD-60						
		9.3mm 3/8 Taper Cut Double	60cm 75cm	P87093D-60	P77093D-60	P67093D-60 P67093D-75				
		9.3mm 3/8 Taper Cut Double	60cm				P57093D-60			
		11mm 3/8 Taper Cut Double	60cm		P77113D-60	P67113D-60				
		13mm 3/8 Taper Cut Double	60cm 75cm		P77133D-60	P67133D-60 P67133D-75				
		13mm 3/8 Taper Cut Double	75cm				P57133D-75			
		11mm 1/2 Taper Cut Double	60cm				P57112D-60			
		13mm 1/2 Taper Cut Double	60cm 75cm			P67132D-60	P57132D-75			
		13mm 1/2 Taper Cut Double	60cm 75cm				P57132D-60	P47132D-75		
		16mm 1/2 Taper Cut Double	90cm				P57162D-90	P47162D-90		
		16mm 1/2 Taper Cut Double	90cm							P37162D-90
		20mm 1/2 Taper Cut Double	90cm					P47202D-90		

POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE						
				6-0	5-0	4-0	3-0	2-0	0	#1
		26mm 1/2 Taper Cut Double	120cm				P37262D-120	P27262D-120		PB7262D-120
		31mm 1/2 Taper Cut Double	90cm				P37312D-90	P27312D-90		PB7312D-90
		40mm 1/2 Taper Cut Double	90cm				P37402D-90	P27402D-90		
		17mm 3/8 Taper Cut Double	75cm						P57173D-75	
		26mm 3/8 Taper Cut Double	75cm 120cm				P47263D-75 P47263D-120			
		17mm 1/2 Taper Cut Double	90cm				P47172D-90	P37172D-90	P27172D-90	
		26mm 1/2 Taper Cut Double	90cm				P47262D-90	P37262D-90	P27262D-90	
		38mm 1/2 Taper Cut	100cm							P17362-100
		45mm 1/2 Taper Cut	100cm							PB7452-100
		31mm J Needle Taper Cut	100cm							P1731J-100
		40mm 1/2 Reverse Cutting	100cm							P13402-100
		48mm 1/2 Reverse Cutting	100cm							PB3482-100
		8mm 3/8 Premium Cutting Reverse	45cm	P66083-45						
		8mm 3/8 Premium Cutting	45cm	P6F083-45						
		11mm 3/8 Premium Cutting Reverse	45cm	P66113-45						

POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE				
				6-0	5-0	4-0	3-0	2-0
		11mm 3/8 Premium Cutting	45cm	P6F113-45				
		13mm 3/8 Premium Cutting Reverse	45cm	P66133-45	P56133-45	P46133-45		
		13mm 3/8 Premium Cutting	45cm	P6F133-45	P5F133-45	P4F133-45		
		16mm 3/8 Premium Cutting Reverse	45cm	P66163-45	P56163-45	P46163-45		
		13mm 3/8 Premium Cutting	45cm	P6F133-45	P5F133-45	P4F133-45		
		19mm 3/8 Premium Cutting Reverse	45cm		P56193-45	P46193-45	P36193-45	
		19mm 3/8 Premium Cutting	45cm		P5F193-45	P4F193-45	P3F193-45	
		13mm 3/8 Premium Cutting Reverse	75cm		P56133-75	P46133-75		
		13mm 3/8 Premium Cutting	75cm		P5F133-75	P4F133-75		
		16mm 3/8 Premium Cutting Reverse	75cm		P56163-75			
		16mm 3/8 Premium Cutting	75cm		P5F163-75			
		19mm 3/8 Premium Cutting Reverse	75cm			P46193-75	P36193-75	
		19mm 3/8 Premium Cutting	75cm			P4F193-75	P3F193-75	
		19mm 3/8 Reverse Cutting	45cm			P43193-45		
		26mm 3/8 Reverse Cutting	45cm				P33263-45	
		26mm 3/8 Premium Cutting	45cm	P6F263-45	P5F263-45	P4F263-45	P3F263-45	P2F263-45
		26mm 3/8 Premium Cutting Reverse	45cm	P66263-45	P56263-45	P46263-45	P36263-45	P26263-45
		16mm 3/8 Cutting	45cm				P34163-75	
		26mm 3/8 Cutting	45cm			P44263-45		
		36mm 3/8 Cutting	45cm				P34363-75	
		40mm 3/8 Cutting	45cm					P24403-100

POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE						
				10-0	9-0	3-0	2-0	0	#1	
		90mm 3/8 Cutting	2x50cm							PB4903-50x2
		90mm 3/8 Cutting	90cm							P24903-90
		22mm 1/2 Cutting	45cm							P34222-45
		55mm Straight Cutting	90cm							P23550-90
		60mm Straight Cutting	75cm							P23600-75
		60mm Straight Cutting	75cm							P33600-75
		75mm Straight Cutting	100cm							P33750-100 P23750-100 P13750-100
		6.5mm 3/8 Spatula	30cm	PA8063-30						
		6.5mm 3/8 Spatula Double	30cm	PA8063D-30						
		6.5mm 3/8 Spatula	23cm	PA8063-23	P98063-23					
		13mm 1/4 Taper Cut	20cm	PA7134-20						
		16mm Straight Taper Point	15cm loop	PA1160P-15						
		16mm Straight Taper Point Double	23cm	PA1160D-23						
		13mm 1/4 Spatula	10cm loop	PA8134P-10						
		5mm 3/8 Taper Point	13cm	PA1053-13	P91053-13					

PVDF

Needle	Point Shape	Needle Description	Length	USP SIZE							
				8-0	7-0	6-0	5-0	4-0	3-0	2-0	
		13mm 1/2 Taper Point Double	75cm			PV61132D-75	PV51132D-75				
		17mm 1/2 Taper Point Double	75cm 90cm				PV51172D-75 PV51172D-90				
		26mm 1/2 Taper Point	75cm				PV51262-75				
		6.5mm 3/8 Taper Point Double	45cm	PV81063D-45							
		6.5mm 3/8 Taper Point Double	75cm	PV81063AD-75							
		8mm 3/8 Taper Point Double	60cm	PV81083D-60	PV71083D-60						
		9.3mm 3/8 Taper Point Black Double	45cm 60cm 75cm		PV71093AD-45 PV71093AD-60	PV61093AD-60 PV61093AD-75					
		9.3mm 3/8 Taper Point Double	60cm 75cm		PV71093D-60 PV71093D-75	PV61093D-75					
		13mm 3/8 Taper Point Double	75cm 90cm		PV71133AD-75	PV61133AD-75	PV51133AD-75 PV51133AD-90				
		13mm 3/8 Taper Point Double	60cm 75cm			PV61133D-60 PV61133D-75	PV51133D-75				
		13mm 3/8 Taper Point	75cm			PV61133-75	PV51133-75				
		12mm 3/8 Taper Point Black Double	75cm 90cm				PV51173AD-75 PV51173AD-90				
		17mm 3/8 Taper Point Double	75cm 90cm				PV51173D-75 PV51173D-90				
		22mm 1/2 Taper Point Double	75cm					PV41222D-75	PV31222D-75		
		26mm 1/2 Taper Point	90cm					PV41262-90	PV31262-90	PV21262-90	
		9.3mm 3/8 CC Double	60cm 75cm	PV8C093D-60	PV7C093D-60 PV7C093D-75	PV6C093D-60					
		13mm 3/8 CC Double	60cm 75cm 90cm			PV6C133D-60 PV6C133D-75	PV5C133D-75 PV5C133D-90				
		9.3mm Compound Curve CC Black Double	75cm		PV7C096AD-75	PV6C096AD-75					
		13mm Compound Curve CC Black Double	75cm			PV6C136AD-75	PV5C136AD-75				
		13mm 3/8 Taper Cut Double					PV57133D-75				
		17mm 3/8 Taper Cut Double	75cm				PV57173D-75				
		26mm 3/8 Taper Cut Double	90cm					PV47263D-90	PV37263D-90		

PTFE

Needle	Point Shape	Needle Description	Length	USP SIZE					
				6-0	5-0	4-0	3-0	2-0	
		31mm 1/2 Taper Point	45cm 60cm						Z21312-45 Z21312-60
		13mm 1/2 Taper Point	45cm 60cm				Z41132-45 Z41132-60		
		26mm 3/8 Reverse Cutting	45cm 60cm						Z33263-45 Z33263-60
		19mm 3/8 Reverse Cutting	45cm 60cm				Z43193-45 Z43193-60	Z33193-45 Z33193-60	Z23193-45 Z23193-60
		16mm 3/8 Reverse Cutting	45cm 60cm				Z43163-45 Z43163-60	Z33163-45 Z33163-60	
		13mm 3/8 Reverse Cutting	45cm 60cm	Z63133-45 Z63133-60	Z53133-45 Z53133-60	Z43133-45 Z43133-60			
		55mm Straight Cutting	45cm 60cm						Z23550-45 Z23550-60
		60mm Straight Cutting	45cm 60cm						Z33600-45 Z33600-60
		65mm Straight Cutting	45cm 60cm				Z53650-45 Z53650-60		
		19mm 3/8 Taper Cut	45cm 60cm 75cm				Z47193-45 Z47193-60 Z47193-75		
		16mm 3/8 Taper Cut	45cm 60cm 75cm				Z57163-45 Z57163-60 Z57163-75		
		45mm 3/8 Reverse Cutting	45cm 60cm						Z23453-45 Z23453-60
		36mm 3/8 Premium Cutting Reverse	45cm 60cm						Z36363-45 Z36363-60
		26mm 3/8 Premium Cutting Reverse	45cm 60cm						Z36263-45 Z36263-60
		24mm 3/8 Premium Cutting Reverse	45cm 60cm						Z36243-45 Z36243-60
		19mm 3/8 Premium Cutting Reverse	45cm 60cm		Z56193-45 Z56193-60	Z46193-45 Z46193-60	Z36193-45 Z36193-60		
		16mm 3/8 Premium Cutting Reverse	45cm 60cm	Z66163-45 Z66163-60		Z46163-45 Z46163-60			
		13mm 3/8 Premium Cutting Reverse	45cm 60cm	Z66133-45 Z66133-60	Z56133-45 Z56133-60	Z46133-45 Z46133-60			
		8mm 3/8 Premium Cutting Reverse	45cm 60cm	Z66083-45 Z66083-60	Z56083-45 Z56083-60				
		40mm 3/8 Premium Cutting	45cm 60cm						Z2F403-45 Z2F403-60

PTFE

Needle	Point Shape	Needle Description	Length	USP SIZE				
				6-0	5-0	4-0	3-0	2-0
	△	26mm 3/8 Premium Cutting	45cm 60cm	Z6F263-45 Z6F263-60	Z5F263-45 Z5F263-60			
	△	19mm 3/8 Premium Cutting	45cm 60cm			Z4F193-45 Z4F193-60		
	△	16mm 3/8 Premium Cutting	45cm 60cm	Z6F163-45 Z6F163-60	Z5F163-45 Z5F163-60			
	△	36mm 3/8 Premium Cutting	45cm 60cm				Z3F363-45 Z3F363-60	
	△	26mm 3/8 Premium Cutting	45cm 60cm				Z3F263-45 Z3F263-60	Z2F263-45 Z2F263-60
	△	24mm 3/8 Premium Cutting	45cm 60cm				Z3F243-45 Z3F243-60	
	△	19mm 3/8 Premium Cutting	45cm 60cm		Z5F193-45 Z5F193-60	Z4F193-45 Z4F193-60	Z3F193-45 Z3F193-60	
	△	16mm 3/8 Premium Cutting	45cm 60cm	Z6F163-45 Z6F163-60			Z4F163-45 Z4F163-60	
	△	13mm 3/8 Premium Cutting	45cm 60cm	Z6F133-45 Z6F133-60	Z5F133-45 Z5F133-60	Z4F133-45 Z4F133-60		
	△	8mm 3/8 Premium Cutting	45cm 60cm	Z6F083-45 Z6F083-60	Z5F083-45 Z5F083-60			
	▽	40mm 3/8 Premium Cutting Reverse	45cm 60cm					Z26403-45 Z26403-60
	▽	26mm 3/8 Premium Cutting Reverse	45cm 60cm	Z66263-45 Z66263-60	Z56263-45 Z56263-60			
	▽	19mm 3/8 Premium Cutting Reverse	45cm 60cm				Z46193-45 Z46193-60	
	▽	16mm 3/8 Premium Cutting Reverse	45cm 60cm	Z66163D-45 Z66163D-60	Z56163D-45 Z56163D-60			
	△	40mm 3/8 Cutting	45cm 60cm					Z24403-45 Z24403-60
	△	60mm 3/8 Cutting	45cm 60cm					Z24603-45 Z24603-60
	△	90mm 3/8 Cutting	45cm 60cm					Z24903-45 Z24903-60

WEGO Suture Size

USP	EP(Metric)	Diameter(mm)
10-0	0.2	0.020-0.029
9-0	0.3	0.030-0.039
8-0	0.4	0.040-0.049
7-0	0.5	0.050-0.069
6-0	0.7	0.070-0.099
5-0	1	0.100-0.149
4-0	1.5	0.150-0.199
3-0	2	0.200-0.249
	2.5	0.250-0.299
2-0	3	0.300-0.349
0	3.5	0.350-0.399
1	4	0.400-0.499
2	5	0.500-0.599

Tensile Strength

*Data Sources:YY-1116-2010

Size	Class 1		Class 2	
	Average Value	Minimum Value	Minimum Value	
10-0	—	—	—	0.25
9-0	—	—	—	0.49
8-0	0.44	0.045	0.25	0.69
7-0	0.69	0.070	0.54	1.37
6-0	1.76	0.180	0.98	2.45
5-0	3.72	0.380	1.96	6.66
4-0	7.54	0.769	3.92	9.31
3-0	12.25	1.250	6.66	17.35
2-0	19.60	2.000	10.19	26.26
1-0	27.14	2.769	14.21	38.22
1	37.24	3.800	19.10	49.78
2	44.20	4.510	23.52	62.23

Strength of Needle Attachment

*Data Sources:YY-1116-2010

Size	Average Value		Minimum Value
	N	KGF	N
10-0	0.1	0.014	0.10
9-0	0.2	0.021	0.15
8-0	0.5	0.050	0.24
7-0	0.8	0.080	0.39
6-0	1.7	0.170	0.78
5-0	2.3	0.230	1.08
4-0	4.4	0.450	2.25
3-0	6.7	0.680	3.33
2-0	10.8	1.102	4.41
1-0	14.7	1.500	4.41
1	17.6	1.796	5.88
2	17.6	1.796	6.86