

WEGOSUTURES



WEGO 威高



Foosin Medical Supplies Inc., Ltd,

Established in 2005, is a joint venture company between Weigao Group and Hong Kong, with total capital over RMB 50 million. We are trying to contribute to make Foosin become to the most powerful manufacture base of surgical needle and surgical sutures in the develop countries. Main product covers Surgical Sutures, Surgical Needles and Dressings.

Wegosuture – one solution of your surgery

Wegosuture is the brand name of Foosin Medical on surgical suture products. Covers Absorbable and Non-Absorbable sutures as PGA, PGLA, PDO, PGCL, PGA Rapid, PGLA Rapid, Silk, Nylon, Polyester, Polypropylene with fully conformity with EP and USP standard; most sutures already obtain CE Mark and FDA 510K.

Facility, R&D

Over 10,000 M² Clean room with GMP standard approved by China SFDA. Fully introduced the advance world level inspection devices from U.S, keep a foothold in the domestic to developing the world-leading technique and technology which have many patents at present and to be the provincial high-tech enterprises.



Weigao Group

Weigao Group(WEGO) has founded in the year of 1988, with more than 30 subsidiaries..

The business of WEGO now covers medical device, pharmacy, aerospace electronic products, investment and real estate. WEGO has more than 16,000 employees and a total asset value of over RMB 20 billion. WEGO currently produces about 400 types of medical products with more than 30,000 specifications. With a great variety of products and good quality, WEGO has become one of the most reliable suppliers for medical solutions in the world. High Effective Sales network covers worldwide offering the high quality products to the hospitals every day.

WEGO's mission is "Your Health, We Care".

WEGO's core values is "Conscience, Integrity, Loyalty". WEGO's shared values is "Harmony, Gratefulness, Responsibility, Trustworthiness".





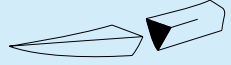









WEGO's vision is "Striving to be an internationally competitive, leading in Asia, and most respected conglomerate in medical device and pharmaceutical products."

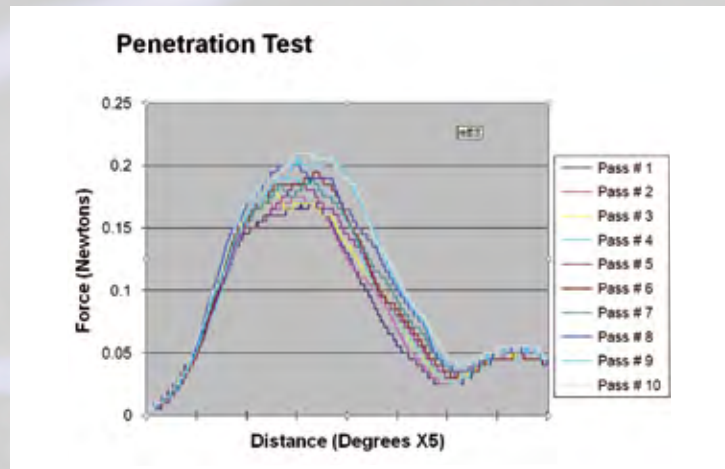
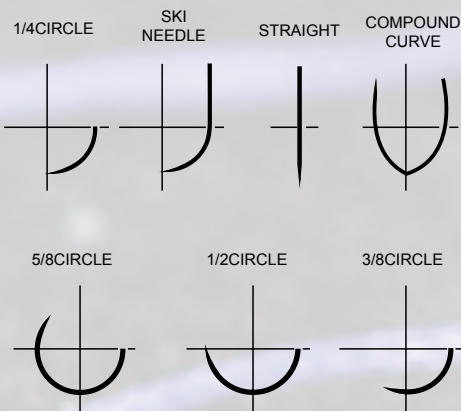
WEGO is well-positioned to continuing serving the medical community and improve people's health for generations to come.



Wegosuture are **ISO9001** and **ISO13485** certified,
CE marked and **FDA 510K** approved.(Contact us for details)

WEGO Needle Types and Tip Geometries

	Code	Tip Geometry	Needle Cross-section
Taper/Round Body	TA		
Cutting	CU		
Reverse Cutting	RC		
Premium Cutting	P		
Blunt	BL		
Taper Cutting	TC		
Spatula	SP		




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.

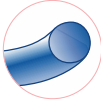





Wego Needle Penetration Level

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

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	In Process
 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	In Process
 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
	Chromic 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/orligation, 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/orligation, 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	In Process
	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 PGCL 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

G B 1 40 2 - 75 X4 H

5th-6th digit: Needle length

(None : No Needle)
For needle length, it can be precise into one decimal point if needed, like 6.4mm, and its unit is "mm"

7th digit: Curve

None	No Needle
2	1/2
3	3/8
4	1/4
5	5/8
6	Compound Curve
0	straight
J	J shape

8th digit: Subsidiary

(the former is needle, and the latter is thread)

W	White
G	Green
B	Black
V	Violet
L	Blue
X	Red
U	Undyed
E	Bold Thread
H	Heavy Needle
P	Loop
R	Reel
A	Black Needle
D	Double Needle with Pledget
T	Clip
K	Clip
N	None Coated

9th-11th digit: thread length

(one to three)Unit: cm

Subsidiary: Way to mark normal small packing with more than one product--X product quantity

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 (USP 9/0 and 10/0 Monofilament)
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 soft tissue approximation and/or ligation, including use in ophthalmic surgery
Sterilization	Ethylene oxide

WEGO-RPGA DATA SHEET

Structure	Multifilament, braided
Chemical composition	100% polyglycolic acid
Coating	Polycaprolactone + Calcium Stearate
Color	Undyed or Violet
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 in approx. 42 - 63 days
Indications	General soft tissue approximation where only short term wound support is required, including ophthalmic (e.g. conjunctiva) procedures.
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	Undyed orViolet (D&C violet No.2)
Sizes	USP 3 or 4- USP 8/0 (metric 6 – metric 0.4)
Knot tensile strength Retention	14days post implantation 75% 21days post implantation 40% 28 days post implantation 20%
Mass absorption	Degradation by hydrolysis within 56~70 days
Indications	General soft tissue approximation and/or ligation, including use in ophthalmic surgery
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	Undyed or Violet
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 in approx. 42 - 63 days
Indications	General soft tissue approximation where only short term wound support is required, including ophthalmic (e.g. conjunctiva) procedures.
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, 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
Contraindications	These sutures, being absorbable, should not be used where prolonged (beyond 6 weeks) approximation of tissues under stress is required and is not to be used in conjunction with prosthetic devices, for example, heart valves or synthetic grafts. WEGO-PDO suture is not indicated in adult cardiovascular tissue, microsurgery and neural tissue.
Sterilization	Ethylene oxide

WEGO-PGCL DATA SHEET

Structure	Monofilament
Chemical Composition	Poly(glycolideco-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 90-110 days
Indications	General soft tissue approximation and/or ligation where an absorbable material is indicated.
Sterilization	Ethylene oxide gas

WEGO-SILK DATA SHEET

Structure	Braided
Composition	Natural silk
Coating	Medical Grade Silicone
Color	Black Blue Undyed
Sizes	USP 5- USP 10/0 (metric 7 – metric 0.2)
Mass absorption	Non-absorbable
Indications	General soft tissue approximation and/or ligation, including use in ophthalmic procedures
Contraindications	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.
Sterilization	Ethylene oxide

WEGO-NYLON DATA SHEET

Structure	Monofilament, Braided, Cable (Supramid)
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% per year
Indications	General soft tissue approximation and/or ligation, including use in ophthalmic procedures.
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 or Undyed
Sizes	USP 1- USP 10/0 (metric 4 – metric 0.2)
Knot tensile strength Retention	No loss of tensile strength
Mass absorption	Non-absorbable
Indications	General soft tissue approximation and/orligation, including use in cardiovascular, ophthalmic and neurological procedures
Contraindications	Not known
Sterilization	Ethylene oxide

WEGO-POLYESTER DATA SHEET

Structure	Multifilament, Braided (10/0 Monofilament)
Chemical Composition	Polyethylene terephthalate
Coating	Silicone (Nusil Med 2174 Silicone Elastomer) or Uncoated
Color	Green or Undyed
Sizes	USP 5- USP 10/0 (metric7 – metric 0.2)
Mass absorption	Non-absorbable
Indications	General soft tissue approximation and/orligation, including use in cardiovascular, ophthalmic and neurological procedures.
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-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	75cm	G22312-75				
		36mm 1/2 Blunt	75cm	G22362-75				
		36mm 1/2 Blunt Heavy	75cm 90cm	G22362H-75		GB2362H-90		
		40mm 1/2 Blunt	75cm		G12402-75	GB2402-75		
		40mm 1/2 Blunt Heavy	90cm		G12402-90	GB2402H-90		
		45mm 1/2 Blunt	90cm			GB2452-90	GC2452-90	GD2452-90
		48mm 1/2 Blunt	90cm		G12482-90	GB2482-90		
		65mm 3/8 Blunt	100cm			GB12653-100		











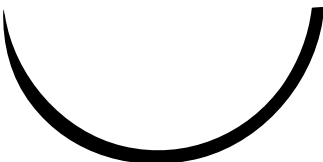







POLYGLYCOLIC ACID

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



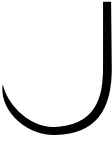

















POLYGLYCOLIC ACID

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











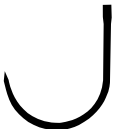







POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE				
				2-0	0	#1	#2	#3
		40mm 1/2 Taper Heavy	4x70cm			GB1402H-70x4	GC1402H-70x4	GD1402H-70x4
		40mm 1/2 Taper Heavy	75cm 90cm		G11402H-75 G11402H-90	GB1402H-75 GB1402H-90		
		45mm 1/2 Taper Heavy	75cm		G11452H-75	GB1452H-75	GC1452H-75	GD1452H-75
		48mm 1/2 Taper Heavy	8x45cm			GB1482H-45x8	GC1482H-45x8	GD1482H-45x8
		48mm 1/2 Taper Heavy	75cm 90cm		G11482H-75 G11482H-90	GB1482H-75 GB1482H-90	GC1482H-75 GC1482H-90	GD1482H-75 GD1482H-90
		65mm 1/2 Taper Heavy	75cm	G21652H-75				
		80mm 1/2 Taper Heavy	100cm			GB1802H-100		
		36mm 5/8 Taper Heavy	70cm	G21365H-70				
		40mm 5/8 Taper 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	75cm			G4122J-75	G3122J-75			
		36mm J Taper	75cm					G2136J-75	G1136J-75	
		13mm 3/8 Taper Cutting	75cm	G67133-75	G57133-75	G47133-75				
		20mm 1/2 Taper Cutting	75cm				G37202-75			
		17mm 3/8 Taper Cutting	75cm		G57172U-75	G47172U-75	G37172U-75			
		22mm 1/2 Taper Cutting	70cm 70cm 75cm			G47222U-70	G37222-70	G27222-75		
		26mm 1/2 Taper Cutting	75cm				G37262-75	G27262-75		
		26mm 1/2 Taper Cutting Heavy	75cm					G27262H-75		
		31mm 1/2 Taper Cutting	75cm					G27312-75	G17312-75	GB7312-75
		36mm 1/2 Taper Cutting	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 Cutting Heavy	75cm 90cm			GB7362H-75 GB7362H-90	GC7362H-75	GD7362H-75
		40mm 1/2 Taper Cutting	75cm 75cm 90cm	G27402U-75 G27402-90	G17402U-75 G17402-90	GB7402-75 GB7402-90		
		40mm 1/2 Taper Cutting Heavy	75cm 75cm	G27402H-75 G27402HU-75	G17402H-75 G17402HU-75	GB7402H-75 GB7402HU-75		
		45mm 1/2 Taper Cutting	75cm	G27452-75	G17452-75	GB7452-75	GC7452-75	GD7452-75
		80mm 1/2 Taper Cutting	75cm		G17802-75	GB7802-75		
		31mm J Taper Cutting	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 Cutting	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	GG8063-10	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 Cutting	30cm					G67105-30		
		13mm 3/8 Reverse Cutting Double	45cm						G53133D-45	G43133D-45
		9.3mm 3/8 Taper	15cm 30cm	GA1093-15		G81093-30		G61093-30		
		19mm Straight Taper 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							
				5-0	4-0	3-0	2-0	0	#1	#2	
		17mm 1/2 Taper	75cm	K41172-75							
		22mm 1/2 Taper	75cm	K41222-75	K31222-75						
		31mm 1/2 Taper	75cm			K21312-75					
		40mm 1/2 Taper Heavy	90cm				K11402H-90				
		48mm 1/2 Taper Heavy	90cm			K21482H-90					
		26mm 1/2 Taper Cutting	90cm			K27262-90					
		36mm 1/2 Taper Cutting	90cm 120cm			K27362-90 K27362-120	K17362-90	KB7362-90	KC7362-90		
		40mm 1/2 Taper Cutting	90cm			K27402-90					
		45mm 1/2 Taper Cutting	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	















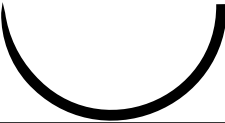







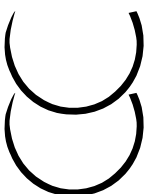

RAPID POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length			
				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 Cutting	75cm	K47175-75		
		Precut 150×12	150cm		K3-150×12	K2-150×12

























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	70cm					D32312-70	D22312-70		
	⊙	45mm 1/2 Blunt	90cm								DB2452-90
	⊙	48mm 1/2 Blunt	150cm loop							D12482P-150	DB2482P-150
	⊙	9.3mm 3/8 Taper Double	45cm 70cm	D71093D-70	D61093D-45 D61093D-70						
	⊙	11mm 3/8 Taper Double	45cm 70cm		D61113D-45 D61113D-70						
	⊙	13mm 3/8 Taper Double	45cm	D71133D-45	D61133D-45						
	⊙	13mm 3/8 Taper Double	70cm		D61133D-70						
	⊙	13mm 1/2 Taper Double	70cm			D51132D-70					
	⊙	17mm 1/2 Taper Double	90cm			D51172D-90	D41172D-90				
	⊙	13mm 3/8 Taper	70cm			D51133-70					
	⊙	13mm 3/8 Taper Double	70cm		D61133D-70						
	⊙	17mm 3/8 Taper	70cm			D51173-70	D41173-70				
	⊙	13mm 1/2 Taper	45cm		D61132-45	D51132-45	D41132-45				
	⊙	20mm 1/2 Taper	70cm				D41202-70	D31202-70			
	⊙	26mm 1/2 Taper	70cm							D11262-70	
	⊙	26mm 1/2 Taper	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	70cm	D41312-70	D31312-70	D21312-70	D11312-70		
		31mm 1/2 Taper Double	90cm		D31312D-90				
		40mm 1/2 Taper	70cm		D31402-70	D21402-70			
		36mm 1/2 Taper Heavy	70cm			D21362H-70	D11362H-70	DB1362H-70	
		40mm 1/2 Taper Heavy	70cm 90cm				D11402H-70	DB1402H-90	DC1402H-90
		40mm 1/2 Taper Heavy	150cm loop				D11402HP-150	DB1402HP-150	
		26mm 1/2 Taper Heavy	70cm			D21262H-70	D11262H-70	DB1262H-70	
		45mm 1/2 Taper Heavy	90cm					DB11452H-90	
		48mm 1/2 Taper Heavy	90cm				D11482H-90	DB1482H-90	DC1482H-90
		48mm 1/2 Taper Heavy	150cm loop				D11482HP-150	DB1482HP-150	
		26mm 5/8 Taper Double	70cm		D31265D-70				
		36mm 5/8 Taper Double	70cm			D21365D-70			

















PDO

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

PDO

Needle	Point Shape	Needle Description	Length	USP SIZE							
				6-0	5-0	4-0	3-0	2-0	0	#1	
		31mm J Taper Cutting	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	D66113-45							
		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	D6F133-45	D5F133-45						
		13mm 3/8 Premium Cutting Reverse	45cm		D56163-45	D46163-45					
		16mm 3/8 Premium Cutting	45cm	D6F133-45	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	20cm		D41190-20		

PDO PRECUT





























Polydioxanone	1#	Mono	Violet	45×9	Precut	DB-45×9
Polydioxanone	0	Mono	Violet	45×10	Precut	D1-45×10
Polydioxanone	2-0	Mono	Violet	45×11	Precut	D2-45×11



























PGLA

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



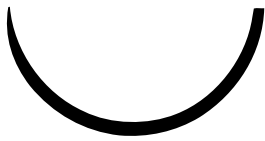



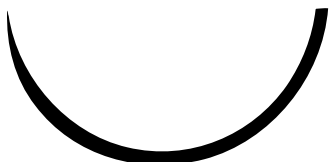







PGLA

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



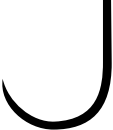

















PGLA

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











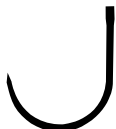







PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE					
				2-0	0	#1	#2	#3	#4
		45mm 1/2 Taper Heavy	75cm		A11452H-75	AB1452H-75	AC1452H-75	AD1452H-75	AE1452H-75
		48mm 1/2 Taper Heavy	8x45cm			AB1482H-45x8	AC1482H-45x8	AD1482H-45x8	AE1482H-45x8
		48mm 1/2 Taper 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 Heavy	75cm	A21652H-75					
		80mm 1/2 Taper Heavy	100cm			AB1802H-100			
		36mm 5/8 Taper Heavy	70cm	A21365H-70					
		40mm 5/8 Taper 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	75cm			A4122J-75	A3122J-75			
		36mm J Taper	75cm					A2136J-75	A1136J-75	
		13mm 3/8 Taper Cutting	75cm	A67133-75	A57133-75	A47133-75				
		20mm 1/2 Taper Cutting	75cm				A37202-75			
		17mm 3/8 Taper Cutting	75cm		A57172U-75	A47172U-75	A37172U-75			
		22mm 1/2 Taper Cutting	70cm 70cm 75cm			A47222U-70	A37222-70	A27222-75		
		26mm 1/2 Taper Cutting	75cm				A37262-75	A27262-75		
		26mm 1/2 Taper Cutting Heavy	75cm					A27262H-75		
		31mm 1/2 Taper Cutting	75cm					A27312-75	A17312-75	AB7312-75
		36mm 1/2 Taper Cutting	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 Cutting Heavy	75cm 90cm			AB7362H-75 AB7362H-90	AC7362H-75	AD7362H-75	AE7362H-75
		40mm 1/2 Taper Cutting	75cm 75cm 90cm	A27402U-75 A27402-90	A17402U-75 A17402-90	AB7402-75 AB7402-90			
		40mm 1/2 Taper Cutting Heavy	75cm 75cm	A27402H-75 A27402HU-75	A17402H-75 A17402HU-75	AB7402H-75 AB7402HU-75			
		45mm 1/2 Taper Cutting	75cm	A27452-75	A17452-75	AB7452-75	AC7452-75	AD7452-75	AE7452-75
		80mm 1/2 Taper Cutting	75cm		A17802-75	AB7802-75			
		31mm J Taper Cutting	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	A66133U-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					A34265U-75	
		13mm Straight Cutting	45cm				A43130-45		
		45mm Straight Cutting	45cm				A43450U-45		
		55mm Straight Cutting	75cm						A23500U-75
		60mm Straight Cutting	75cm 75cm					A33600U-75	A23600-75 A23600U-75
		60mm Straight Cutting	75cm 75cm					A36600-75 A36600U-75	
		17mm 5/8 Taper Cutting	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 Cutting	30cm			A67105-30		
		13mm 3/8 Reverse Cutting Double	45cm				A53133D-45	A43133D-45
		9.3mm 3/8 Taper	15cm 30cm	A81093-30		A61093-30		
		19mm Straight Taper 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











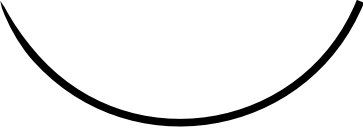





RAPID PGLA

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	75cm		J51172-75	J41172-75						
		22mm 1/2 Taper	75cm			J41222-75	J31222-75					
		31mm 1/2 Taper	75cm					J21312-75				
		40mm 1/2 Taper Heavy	90cm						J11402H-90			
		48mm 1/2 Taper Heavy	90cm					J21482H-90				
		26mm 1/2 Taper Cutting	90cm					J27262-90				
		36mm 1/2 Taper Cutting	90cm 120cm					J27362-90 J27362-120	J17362-90	JB7362-90	JC7362-90	
		40mm 1/2 Taper Cutting	90cm					J27402-90				
		45mm 1/2 Taper Cutting	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			
				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 Cutting	75cm	J47175-75		
		Precut 150×12	150cm		J3-150×12	J2-150×12







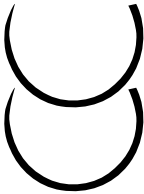























PGCL

Needle	Point Shape	Needle Description	Length	USP SIZE				
				4-0	2-0	0	#1	#2
		31mm 1/2 Blunt	70cm		Q22312V-70			
		40mm 1/2 Blunt	90cm			Q12402V-90	QB2402V-90	QC2402V-90
		45mm 1/2 Blunt	90cm				QB2452V-90	QC2452V-90
		48mm 1/2 Blunt	90cm				QB2482V-90	QC2482V-90
		70mm 1/2 Blunt	90cm				QB2702V-90	QC2702V-90
		65mm 3/8 Blunt	90cm				QB2653V-90	QC2653V-90
		17mm 3/8 Taper	70cm	Q41173V-70				
		31mm 3/8 Taper	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	45cm	Q61132V-45							
		17mm 1/2 Taper	70cm		Q41172V-70	Q31172V-70					
		22mm 1/2 Taper	70cm		Q41222V-70	Q31222V-70	Q21222V-70				
		26mm 1/2 Taper	70cm			Q31262V-70	Q21262V-70				
		26mm 1/2 Taper	8×70cm			Q31262V-70×8					
		26mm 1/2 Taper	8×45cm			Q31262V-45×8					
		26mm 1/2 Taper	70cm			Q31262-70					
		26mm 1/2 Taper Double	70cm			Q31262DV-70	Q21262DV-70				
		31mm 1/2 Taper	70cm			Q31312V-70	Q21312V-70	Q11312V-70	QB1312V-70	QC1312V-70	
		31mm 1/2 Taper	70cm				Q21312-70				
		36mm 1/2 Taper	70cm				Q21362V-70	Q11362V-70	QB1362V-70	QC1362V-70	
		26mm 1/2 Taper Heavy	90cm				Q21262HV-90	Q11262HV-90	QB1262HV-90	QC1262HV-90	
		36mm 1/2 Taper Heavy	90cm				Q21362HV-90	Q11362HV-90	QB1362HV-90	QC1362HV-90	
		40mm 1/2 Taper Heavy	70cm					Q11402HV-70	QB1402HV-70	QC1402HV-70	
		45mm 1/2 Taper Heavy	90cm						QB1452HV-90	QC1452HV-90	
		48mm 1/2 Taper 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	70cm		Q31265V-70	Q21265V-70			
		26mm 5/8 Taper Double	70cm		Q31265DV-70				
		36mm 5/8 Taper	70cm			Q21365V-70	Q11365V-70		
		36mm 5/8 Taper Double	70cm			Q21365DV-70			
		26mm 1/2 Taper Cutting	70cm			Q27262V-70			
		26mm 1/2 Taper Cutting	70cm		Q37262-70	Q27262-70			
		36mm 1/2 Taper Cutting	70cm			Q27362V-70	Q17362V-70	QB7362V-70	QC7362V-70
		36mm 1/2 Reverse Cutting	70cm			Q23362V-70	Q13362V-70		
		40mm 1/2 Reverse Cutting	90cm					QB3402V-90	QC3402V-90
		11mm 3/8 Premium Cutting	45cm	Q6F113-45					
		11mm 3/8 Premium Cutting Reverse	45cm	Q66113-45					
		13mm 3/8 Premium Cutting	45cm	Q6F133-45					
		13mm 3/8 Premium Cutting Reverse	45cm	Q66133-45					
		24mm 3/8 Premium Cutting	70cm		Q3F243-70				
		24mm 3/8 Premium Cutting Reverse	70cm		Q36243-70				



























PGCL

Needle	Point Shape	Needle Description	Length				
				5-0	4-0	3-0	2-0
		13mm 3/8 Premium Cutting	45cm	Q5F133-45			
		13mm 3/8 Premium Cutting Reverse	45cm	Q56133-45			
		16mm 3/8 Premium Cutting	45cm	Q5F163-45	Q4F163-45		
		16mm 3/8 Premium Cutting Reverse	45cm	Q56163-45	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	
		16mm 3/8 Reverse Cutting	45cm	Q53163-45			
		19mm 3/8 Reverse Cutting	45cm		Q43193-45		
		19mm 3/8 Reverse Cutting	70cm	Q53193-70		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		















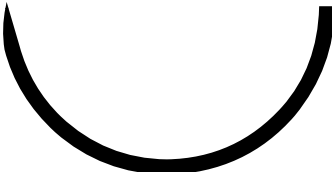

PGCL PRECUT

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	75cm		L51132-75							
		16mm 1/2 Taper	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	75cm			L41192-75	L31192-75					
		24mm 1/2 Taper	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	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	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	90cm		L11382-90		
		38mm 1/2 Taper Heavy	75cm	L21382H-75	L11382H-75		
		38mm 1/2 Reverse Cutting	75cm			LB3382-75	
		40mm 1/2 Taper	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	75cm		L11502-75	LB1502-75	
		50mm 1/2 Taper Heavy	75cm	L21502H-75			
		64mm 1/2 Taper Heavy	75cm	L21642H-75			





















PLAIN CATGUT PRECUT

PLAIN CATGUT	1-0	Braided	Yellow	75×1	L1-75
PLAIN CATGUT	1-0	Braided	Yellow	150×1	L1-150
PLAIN CATGUT	2-0	Braided	Yellow	75×1	L2-75
PLAIN CATGUT	2-0	Braided	Yellow	150×1	L2-150
PLAIN CATGUT	3-0	Braided	Yellow	75×1	L3-75
PLAIN CATGUT	3-0	Braided	Yellow	150×1	L3-150
PLAIN CATGUT	4-0	Braided	Yellow	75×1	L4-75
PLAIN CATGUT	4-0	Braided	Yellow	150×1	L4-150
PLAIN CATGUT	5-0	Braided	Yellow	75×1	L5-75
PLAIN CATGUT	5-0	Braided	Yellow	150×1	L5-150
PLAIN CATGUT	6-0	Braided	Yellow	75×1	L6-75
PLAIN CATGUT	1#	Braided	Yellow	75×1	LB-75
PLAIN CATGUT	1#	Braided	Yellow	150×1	LB-150
PLAIN CATGUT	2#	Braided	Yellow	75×1	LC-75
PLAIN CATGUT	2#	Braided	Yellow	150×1	LC-150
PLAIN CATGUT	3#	Braided	Yellow	75×1	LD-75
PLAIN CATGUT	3#	Braided	Yellow	150×1	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	75cm			C41123-75						
		12mm 3/8 Reverse Cutting	45cm	C63123-45	C53123-45	C43123-45						
		13mm 1/2 Taper	75cm		C51132-75	C41132-75						
		16mm 1/2 Taper	75cm		C51162-75							
		16mm 3/8 Reverse Cutting	75cm			C43163-75						
		19mm 1/2 Taper	75cm			C41192-75	C31182-75	C21182-75				
		19mm 3/8 Reverse Cutting	75cm		C53193-75	C43193-75	C33193-75					
		22mm 1/2 Taper	75cm			C41222-75	C31222-75	C21222-75	C11222-75			
		22mm 3/8 Taper	75cm				C31223-75	C21223-75				
		24mm 3/8 Reverse Cutting	75cm			C43243-75	C33243-75	C23243-75	C13243-75			
		26mm 1/2 Taper	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 Cutting	75cm					C27262-75				
		30mm 1/2 Taper	75cm 90cm				C31302-75 C31302-90	C21302-75 C21302-90	C11302-75 C11302-90	CB1302-75 CB1302-90		
		30mm 3/8 Taper	75cm				C31303-75		C11303-75	CB1303-75	CC1303-75	
		36mm 1/2 Reverse Cutting	75cm									CC3362-75
		37mm 1/2 Taper	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 Heavy	75cm 90cm		C11372H-75 C11372H-90	CB1372H-75 CB1372H-90	CC1372H-75 CC1372H-90
		37mm 1/2 Taper Cutting	75cm	C27372-75	C17372-75	CB7372-75	CC7372-75
		37mm 1/2 Taper Cutting Heavy	75cm	C27372H-75	C17372H-75	CB7372H-75	CC7372H-75
		40mm 1/2 Taper Heavy	75cm		C11402H-75	CB1402H-75	CC1402H-75
		40mm 1/2 Reverse Cutting	75cm	C23402-75	C13402-75	CB3402-75	
		45mm 1/2 Taper	75cm	C21452-75	C11452-75	CB1452-75	CC1452-75
		45mm 1/2 Reverse Cutting	75cm		C13452-75	CB3452-75	
		45mm 1/2 Taper Cutting Heavy	75cm	C27452H-75	C17452H-75	CB7452H-75	CC7452H-75
		50mm 1/2 Taper	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	75×1	C1-75
CHROMIC CATGUT	1-0	Braided	Brown	150×1	C1-150
CHROMIC CATGUT	2-0	Braided	Brown	75×1	C2-75
CHROMIC CATGUT	2-0	Braided	Brown	150×1	C2-150
CHROMIC CATGUT	3-0	Braided	Brown	75×1	C3-75
CHROMIC CATGUT	3-0	Braided	Brown	150×1	C3-150
CHROMIC CATGUT	4-0	Braided	Brown	75×1	C4-75
CHROMIC CATGUT	4-0	Braided	Brown	150×1	C4-150
CHROMIC CATGUT	5-0	Braided	Brown	75×1	C5-75
CHROMIC CATGUT	5-0	Braided	Brown	150×1	C5-150
CHROMIC CATGUT	6-0	Braided	Brown	75×1	C6-75
CHROMIC CATGUT	1#	Braided	Brown	75×1	CB-75
CHROMIC CATGUT	1#	Braided	Brown	150×1	CB-150
CHROMIC CATGUT	2#	Braided	Brown	75×1	CC-75
CHROMIC CATGUT	2#	Braided	Brown	150×1	CC-150
CHROMIC CATGUT	3#	Braided	Brown	75×1	CD-75
CHROMIC CATGUT	3#	Braided	Brown	150×1	CD-150



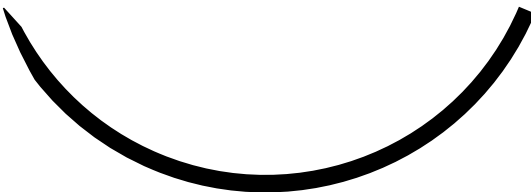





















SILK

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	45cm	S61093-45								
		11mm 3/8 Taper	75cm		S51113-75							
		17mm 3/8 Taper	75cm		S51173-75	S41173-75						
		20mm 3/8 Taper	75cm					S31203-75				
		17mm 1/2 Taper	75cm			S41172-75	S31172-75					
		20mm 1/2 Taper	75cm			S41202-75	S31202-75					
		26mm 1/2 Taper	6×35cm						S21262-35×6			
		26mm 1/2 Taper	8×45cm					S31262-45×8	S21262-45×8			
		26mm 1/2 Taper	75cm					S31262-75	S21262-75			
		26mm 1/2 Taper	8×75cm					S31262-75×8	S21262-75×8			
		31mm 1/2 Taper	75cm					S31312-75	S21312-75	S11312-75		
		36mm 1/2 Taper	75cm					S31362-75			SB1362-75	
		40mm 1/2 Taper	75cm						S21402-75			
		31mm 1/2 Taper Heavy	75cm								SB1312H-75	
		40mm 1/2 Taper 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		S54163-75×2	S44163-75 S44163-75×2	S34163-75 S34163-75×2	S24163-75×2	
		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	20cm									S2B220-20

NYLON

Needle	Point Shape	Needle Description	Length	USP SIZE		
				2-0	0	#1
		40mm 1/2 Blunt	150cm Loop		N12402P-150	
		48mm 1/2 Blunt	150cm Loop			NB2482P-150
		31mm 1/2 Taper	100cm	N21312-100		NB1312-100
		31mm 1/2 Taper	150cm Loop		N11312P-150	
		36mm 1/2 Taper heavy	150cm Loop			NB1362HP-150
		40mm 1/2 Taper heavy	100cm		N11402H-100	NB1402H-100
		40mm 1/2 Taper heavy	150cm Loop		N11402HP-100	
		48mm 1/2 Taper heavy	100cm			NB1482H-100
		48mm 1/2 Taper heavy	150cm Loop		N11482HP-150	NB1482HP-150
		48mm 1/2 Taper heavy	200cm Loop			NB1482HP-200
		45mm 1/2 Taper Cutting	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	13cm	NA1053-13		
		5mm 3/8 Taper VISI-BLACK	13cm		N91053A-13	
		5mm 3/8 Taper	13cm	NA1053-13	N91053-13	N81053-13
		6.5mm 3/8 Taper VISI-BLACK	13cm			N81063A-13
		6.4mm 3/8 Taper	13cm	NA1063-13		N81063-13
		6.4mm 3/8 Taper	30cm	NA1063-30		

NYLON

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

MOLYLON PRE-CUT

MOLYLON	#1	Mono	Black/Blue	2×100cm	Precut	NB-100×2
MOLYLON	#2	Mono	Black/Blue	2×100cm	Precut	NC-100×2





















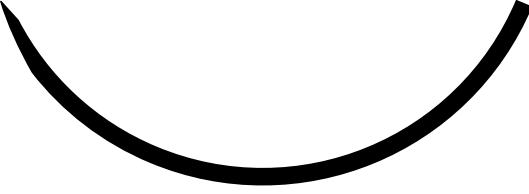



POLYESTER

Needle	Point Shape	Needle Description	Length	USP SIZE					
				6-0	5-0	4-0	3-0	2-0	0
		11mm 3/8 Taper Double	75cm	E61113D-75					
		13mm 3/8 Taper Double	75cm		E51133D-75	E41133D-75			
		17mm 1/2 Taper Double	60cm		E51172D-60		E31172D-60		
		17mm 1/2 Taper Double	10×75cm				E31172D-75×10		
		17mm 1/2 Taper Double	90cm					E21172D-90	
		20mm 1/2 Taper Double	75cm			E41202D-75		E21202D-75	
		20mm 1/2 Taper Double	10×75cm					E21202D-75×10	
		26mm 1/2 Taper	75cm			E41262-75	E31262-75		
		26mm 1/2 Taper Double	90cm					E21262D-90	
		26mm 1/2 Taper Double	100cm				E31262D-100		
		31mm 1/2 Taper	75cm				E31312-75	E21312-75	E11312-75
		70mm 1/2 Taper Double Heavy	75cm						E11702DH-75
		17mm 3/8 Taper Cutting Double	75cm				E37173DW-75		
		17mm 3/8 Taper Cutting Double	90cm				E37173D-90		
		17mm 3/8 Taper Cutting Double	10×90cm					E27173D-90×10	
		25mm 3/8 Taper Cutting Double	10×90cm					E27253D-90×10	

















POLYESTER

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

POLYESTER

Needle	Point Shape	Needle Description	Length	USP SIZE				
				4-0	2-0	0	#1	#2
		36mm 1/2 Taper Cutting Double	90cm		E27362D-90			
		48mm 1/2 Taper Cutting	75cm			E17482-90		
		40mm 1/2 Taper Cutting Heavy	75cm					EC7402H-75
		45mm 1/2 Taper Cutting Heavy	4x75cm					EC7452H-75x4
		25mm Straight Taper Cutting	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 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	13×60cm	Precut	E3-60×13
POLYESTER	2-0	Braided	Green	13×60cm	Precut	E2-60×13
POLYESTER	0	Braided	Green	13×60cm	Precut	E1-60×13

















POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE			
				8-0	7-0	6-0	#1
		40mm 1/2 Blunt	100cm				PB2402-100
		45mm 1/2 Blunt	100cm				PB2452-100
		6.4mm 3/8 Taper	13cm	P81063-13			
		6.4mm 3/8 Taper Double	45cm	P81063D-45			
		6.4mm 3/8 Taper Double	60cm	P81063D-60			
		8mm 3/8 Taper Black Double	60cm	P81083AD-60	P71083AD-60		
		8mm 3/8 Taper Double	60cm	P81083D-60	P71083D-60		
		9.3mm 3/8 Taper Black Double	60cm		P71093AD-60		
		9.3mm 3/8 Taper Double	60cm		P71093D-60		
		9.3mm 3/8 Taper Double	4x60cm		P71093AD-60x4		
		9.3mm 3/8 Taper Black Double	60cm			P61093AD-60	
		9.3mm 3/8 Taper Double	45cm 60cm			P61093D-45 P61093D-60	
		9.3mm 3/8 Taper Double	4X60cm			P61093D-60x4	
		11mm 3/8 Taper 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 Black Double	60cm 75cm		P61133AD-60 P61133AD-75	P51133AD-60		
		13mm 3/8 Taper Point Double	60cm 75cm	P71133D-60	P61133D-60 P61133D-75			
		13mm 3/8 Taper	75cm			P51133-75		
		13mm 1/2 Taper Black Double	75cm			P51132AD-75		
		13mm 1/2 Taper Double	75cm			P51132D-75		
		17mm 1/2 Taper Black Double	90cm			P51172AD-90	P41172AD-90	
		17mm 1/2 Taper Double	90cm			P51172D-90	P41172D-90	P31172D-90
		20mm 1/2 Taper Black Double	90cm				P41202AD-90	
		20mm 1/2 Taper Double	90cm				P41202D-90	
		22mm 1/2 Taper	75cm					P31222-75
		26mm 1/2 Taper Black Double	90cm				P41262AD-90	P31262AD-90
		26mm 1/2 Taper Double	75cm 90cm 120cm			P51262D-75	P41262D-90	P31262D-90 P31262D-120



















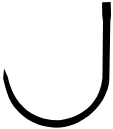











POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE			
				3-0	2-0	0	#1
		31mm 1/2 Taper Black Double	120cm	P31312AD-120			
		31mm 1/2 Taper	75cm		P21312-75		
		31mm 1/2 Taper Double	90cm	P31312D-90	P21312D-90		
		31mm 1/2 Taper Heavy	100cm				
		40mm 1/2 Taper Heavy	100cm				PB1402H-100
		40mm 1/2 Taper Heavy	100cm			P11402H-100	
		65mm 1/2 Taper Heavy	100cm				PB1652H-100
		70mm Straight Taper	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 Cutting Double	60cm	P87083AD-60					
		9.3mm 3/8 Taper Cutting Double	60cm 75cm	P87093D-60	P77093D-60	P67093D-60 P67093D-75			
		9.3mm 3/8 Taper Cutting Double	60cm				P57093D-60		
		11mm 3/8 Taper Cutting Double	60cm		P77113D-60	P67113D-60			
		13mm 3/8 Taper Cutting Double	60cm 75cm		P77133D-60	P67133D-60 P67133D-75			
		13mm 3/8 Taper Cutting Double	75cm				P57133D-75		
		11mm 1/2 Taper Cutting Double	60cm				P57112D-60		
		13mm 1/2 Taper Cutting Double	60cm 75cm			P67132D-60	P57132D-75		
		13mm 1/2 Taper Cutting Double	60cm 75cm				P57132D-60	P47132D-75	
		16mm 1/2 Taper Cutting Double	90cm				P57162D-90	P47162D-90	
		16mm 1/2 Taper Cutting Double	90cm						P37162D-90
		20mm 1/2 Taper Cutting Double	90cm					P47202D-90	



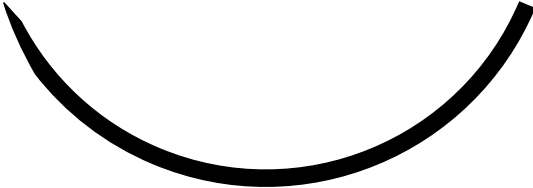



























POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE						
				6-0	5-0	4-0	3-0	2-0	0	#1
		26mm 1/2 Taper Cutting Double	120cm				P37262D-120	P27262D-120		PB7262D-120
		31mm 1/2 Taper Cutting Double	90cm				P37312D-90	P27312D-90		PB7312D-90
		40mm 1/2 Taper Cutting Double	90cm				P37402D-90	P27402D-90		
		17mm 3/8 Taper Cutting Double	75cm		P57173D-75					
		26mm 3/8 Taper Cutting Double	75cm 120cm			P47263D-75 P47263D-120				
		17mm 1/2 Taper Cutting Double	90cm			P47172D-90	P37172D-90	P27172D-90		
		26mm 1/2 Taper Cutting Double	90cm			P47262D-90	P37262D-90	P27262D-90		
		36mm 1/2 Taper Cutting	100cm						P17362-100	
		45mm 1/2 Taper Cutting	100cm							PB7452-100
		31mm J Needle Taper Cutting	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					
				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	P6F163-45	P5F163-45	P4F163-45		
		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 Cutting	20cm	PA7134-20						
		16mm Straight Taper	15cm loop	PA1160P-15						
		16mm Straight Taper Double	23cm	PA1160D-23						
		13mm 1/4 Spatula	10cm loop	PA8134P-10						
		5mm 3/8 Taper	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 Double	75cm			PV61132D-75	PV51132D-75			
		17mm 1/2 Taper Double	75cm 90cm				PV51172D-75 PV51172D-90			
		26mm 1/2 Taper	75cm				PV51262-75			
		6.5mm 3/8 Taper Double	45cm	PV81063D-45						
		6.5mm 3/8 Taper Double	75cm	PV81063AD-75						
		8mm 3/8 Taper Double	60cm	PV81083D-60	PV71083D-60					
		9.3mm 3/8 Taper Double	45cm 60cm 75cm		PV71093AD-45 PV71093AD-60	PV61093AD-60 PV61093AD-75				
		9.3mm 3/8 Taper Double	60cm 75cm		PV71093D-60 PV71093D-75	PV61093D-75				
		13mm 3/8 Taper Double	75cm 90cm		PV71133AD-75	PV61133AD-75	PV51133AD-75 PV51133AD-90			
		13mm 3/8 Taper Double	60cm 75cm			PV61133D-60 PV61133D-75	PV51133D-75			
		13mm 3/8 Taper	75cm			PV61133-75	PV51133-75			
		17mm 3/8 Taper Double	75cm 90cm				PV51173AD-75 PV51173AD-90			
		17mm 3/8 Taper Double	75cm 90cm				PV51173D-75 PV51173D-90			
		22mm 1/2 Taper Double	75cm					PV41222D-75	PV31222D-75	
		26mm 1/2 Taper	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 Double	75cm		PV7C096AD-75	PV6C096AD-75				
		13mm Compound Curve CC Double	75cm			PV6C136AD-75	PV5C136AD-75			
		13mm 3/8 Taper Cutting Double					PV57133D-75			
		17mm 3/8 Taper Cutting Double	75cm				PV57173D-75			
		26mm 3/8 Taper Cutting 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	45cm 60cm					Z21312-45 Z21312-60
		13mm 1/2 Taper	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 Cutting	45cm 60cm 75cm			Z47193-45 Z47193-60 Z47193-75		
		16mm 3/8 Taper Cutting	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	Z26263-45 Z26263-60
		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-1116-2002

Size	Class 1		Class 2		
	Average Value		Minimum Value	Minimum Value	
	N	KGF	N	N	KGF
10-0	—	—	—	0.25	0.025
9-0	—	—	—	0.49	0.050
8-0	0.44	0.045	0.25	0.69	0.070
7-0	0.69	0.070	0.54	1.37	0.140
6-0	1.76	0.180	0.98	2.45	0.250
5-0	3.72	0.380	1.96	6.66	0.680
4-0	7.54	0.769	3.92	9.31	0.950
3-0	12.25	1.250	6.66	17.35	1.770
2-0	19.60	2.000	10.19	26.26	2.680
1-0	27.14	2.769	14.21	38.22	3.900
1	37.24	3.800	19.10	49.78	5.080
2	44.20	4.510	23.52	62.23	6.350

Strength of Needle Attachment

※Data Sources:YY-1116-2002

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



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