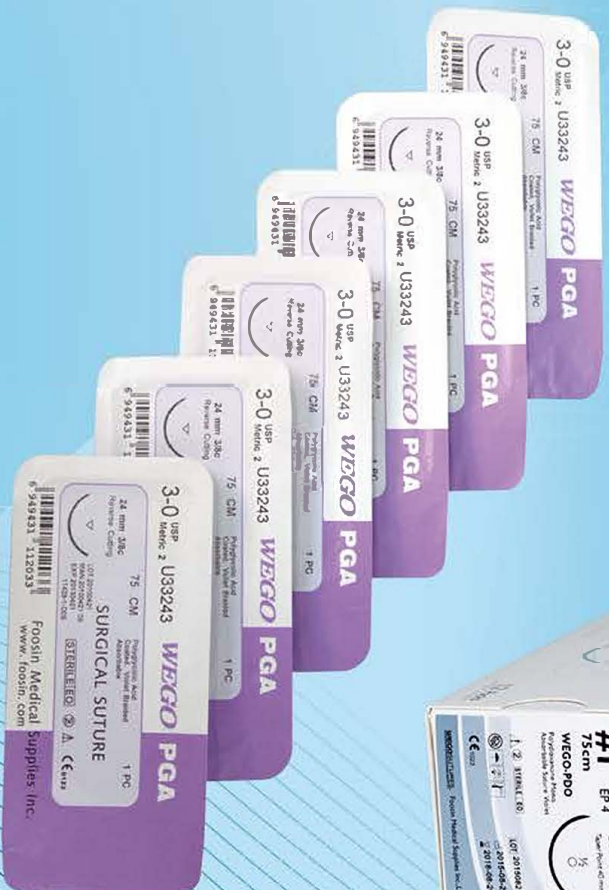


WEGOSUTURES



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 than30 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".

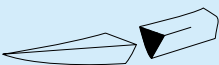
WEGO's core values is "Conscience, Integrity, Loyalty". WEGO's shared values is "Harmony, Gratefulness, Responsibility, Trustworthiness".

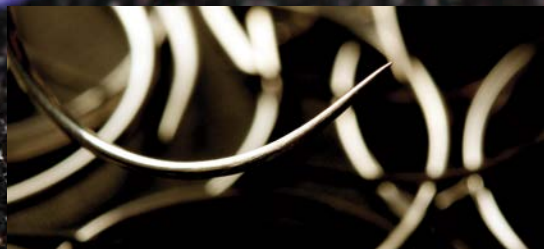
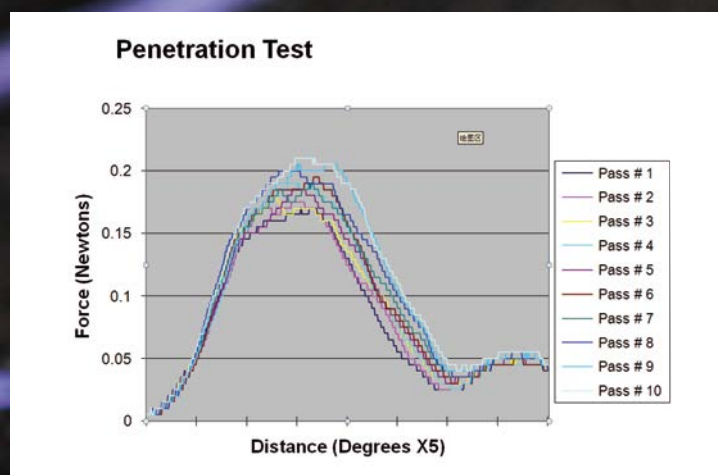
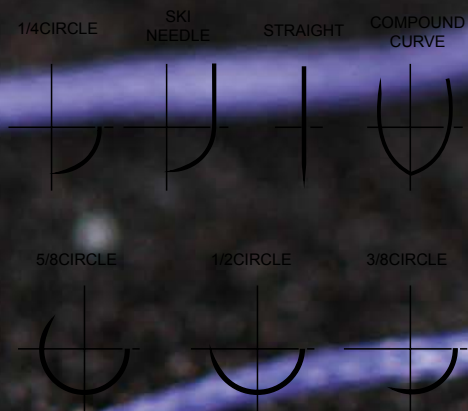
WEGO's vision is "Striving to be an internationally competitive, leading in Asia, and most respected conglomerate in medical device and pharmaceutical products."

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



WEGO Needle Types and Tip Geometrics

	Code	Tip Geometry	Needle Cross-section
Taper Point/Round Body	TA		
Cutting	Conventional Cutting CU		
	Reverse Cutting RC		
Extra-Sharp Cutting	P		
Blunt	BL		
Taper Cut	TC		
Spatula	SP		

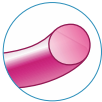
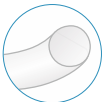
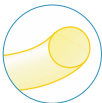
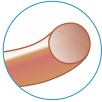


The needles for regular suture made by the full machines and techniques from US with AISI420 or AISI302 alloy, the optimized precision tip geometry offers an outstanding Penetration performance with excellence balance with Bending and Ductility. Needles for Specialty Sutures from US, Euro and Japan covers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

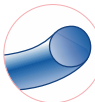
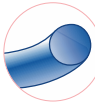
Wego Needle Penetration Level

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	Braided	USP #2-USP 10/0	Violet or Undyed	14 days post implantation 60-70% 18 days post implantation 50% 21 days post implantation 40%	General surgery, Gastroenterology, Urology,Plastic, Subcutaneous and intracutaneous closure, Gynaecology, Ophthalmic, Paediatric surgery and Ligatures	Yes	Yes
	WEGO PGLA	Poly (glycolide-co-lactide) (90/10)	Braided	USP #2-USP 8/0	Violet (D&C violet No.2)	14days post implantation 75% 21days post implantation 50%	General surgery, Gastroenterology, Urology, Plastic, Subcutaneous and intracutaneous closure, Gynaecology, Odontology, Paediatric surgery, Ophthalmology, Ligatures	Yes	Yes
	WEGO PDO	Polydioxanone	Monofilament	USP #2-USP 7/0	Violet (D&C No.2) or Undyed	28days post implantation 50% (≤USP4/0 – Metric 1.5) 35days post implantation 50% (≥USP3/0 – Metric 2)	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	Yes	Yes
	WEGO PGCL	Poly (glycolideco-caprolactone) (PGA-PCL)	Monofilament	USP #2-USP 6/0	Undyed or Violet (D&C no.2)	1 week post implantation 60%~80%	Subcutaneous and intracutaneous closure, Gynaecology, Odontology, Paediatric surgery, Ophthalmology, Ligatures	In Process	Yes
	WEGO CATGUT	Plain Catgut	Twisted (Natural)	USP #2-USP 6/0	Yellow	7-10days	General, soft tissue approximation and/or ligation, Ophthalmic procedures, but not for use in cardiovascular and neurological procedures	NO	NO
		Chromic Catgut	Braided	USP #2-USP 6/0	Brown	21-28days			

Non-absorbable sutures

Brand Name		Material	Structure	Range of Size (USP)	Color	Tensile strength retention-days	Application	CE	FDA
	WEGO POLYPROPYLENE	Polypropylene	Monofilament	USP #2-USP 10/0	Blue	No loss of tensile strength	Vascular and Cardiovascular surgery, Skin Closure, Plastic surgery, Ophthalmology, Neurosurgery	Yes	Yes
	WEGO NYLON	Polyamide 6 and 6.6	Monofilament	USP #2-USP 6/0	Blue/Black	15-20% per year	Skin and Plastic Surgery, Micro-vascular surgery, Ophthalmology, Orthopaedics	Yes	Yes
	WEGO Braided NYLON	Polyamide 6 and 6.6	Braided	USP #2-USP 10/0	Black (logwood)/Blue(FD&C Blue No.2/White (Undyed)	15-20% per year	Skin and Plastic Surgery, Micro-vascular surgery, Ophthalmology, Orthopaedics	Yes	Yes
	WEGO POLYESTER	Polyethylene terephthalate	Braided	USP #5-USP 7/0	Green or White	Long Period	Skin Closure, Cardiovascular surgery, Vascular surgery, Ophthalmology, Orthopaedics, Gastrointestinal surgery, Neurosurgery	Yes	Yes
	WEGO SILK	Natural Silk	Braided, Twisted	USP #6-USP 8/0 (Braided Silk) USP 8/0-USP 9/0 (Twisted Silk)	Black (Braided Silk) Blue (Twisted Silk)	Two Years	General surgery, Skin Closure, Oral surgery, Neurosurgery, Ligatures (Braided Silk)	Yes	Yes
	WEGO PTFE	100% high-density polytetrafluoroethylene(PTFE) polymer	Monofilament	USP 2/0-USP 6/0	Undyed	Long Period	All types of soft tissue approximation and/or ligation, including cardiovascular, dental and general surgeries	In Process	In Process

Suture With Needle

The 1 st Figure	Letter	Material
The 2 nd Figure	16 carry digit	USP
The 3 rd Figure	16 carry digit	Needle Tip
The 4 th and 5 th Figure	Number	Needle Length
The 6 th Figure	Number	Needle Curve
The 7 th Figure	Letter	Subsidiary

For Example:GB1402 PGA 0# taper point 40 mm needle 1/2 curve

Suture Without Needle

The 1 st Figure	Letter	Material
The 2 nd Figure	16 carry digit	USP
The 3 rd Figure	0	Without Needle
The 4 th and 6 th Figure	Number	Thread Length
The 7 th and 8 th Figure	Number	Thread Amount
The 9 th Figure	Letter	Subsidiary

For Example:S3006030Q Imported Silk Thread 3/0,Precut 60 cm,30 pieces in a Packet

For Example

G B 1 40 2 — 75

Suture Length
Unit: cm

1st-2nd digit: Thread Material

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

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
V	12-0
B	1
C	2
D	3
E	4
F	5

4th digit: Needle Tip

Taper
Blunt Point
Reverse Cutting
Cutting
Diamond
Premium Cutting
Taper-cut
Spatula/Lancet
Square
Wing
Sleigh
CC
Trocar

5th-6th digit: Needle Length

Unit: mm

7th digit: Needle Curve

2	1/2
3	3/8
4	1/4
5	5/8
6	Compound
0	Straight
1	J Needle

8th digit and latter: Subsidiary

W	White
G	Green
B	Black
V	Violet
L	Blue
X	Red
U	Undyed
E	Thicker thread
H	Thicker needle
P	Loop
R	Reel
A	Black needle
D	Double needle
T	Pledget
K	Clip
N	Non coated

WEGO-PGA DATA SHEET

Structure	Multifilament, braided
Chemical composition	100% polyglycolic acid
Coating	Polycaprolactone + Calcium Stearate
Color	Violet or Undyed
Sizes	USP 2-USP 10/0 metric 5 - metric 0.2
Knot tensile strength Retention	14 days post implantation 60-70% 18 days post implantation 50% 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-RPGA DATA SHEET

Structure	Multifilament, braided
Chemical composition	100% polyglycolic acid
Coating	Polycaprolactone + Calcium Stearate
Color	Undyed
Sizes	USP 2- USP 8/0 metric 5 – metric 0.4
Knot tensile strength	7 days post implantation 50%
retention	14 days post implantation 0%
Mass absorption	Degradation by hydrolysis in approx. 42 days
Indications	Subcutaneous and intracutaneous closure, Gynaecology, Odontology, Paediatric surgery, Ophthalmology, Ligatures
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	28days post implantation 50% ($\leq$ USP4/0 – Metric 1.5)
retention	35days post implantation 50% ($\geq$ USP3/0 – Metric 2)
Mass absorption	Degradation by hydrolysis within 180 – 210 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 an suturing of synthetic implant like vascular grafts or cardiac valves
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 2- USP 7/0 metric 5 – metric 0.5
Knot tensile strength	14days post implantation 75%
retention	21days post implantation 50%
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-PGCL DATA SHEET

Structure	Multifilament
Chemical Composition	Poly(glycolideco-caprolactone) (PGA-PCL)
Color	Undyed or Violet(D&C no.2)
Sizes	USP 2- USP 6/0
Strength Retention Profile	1 week post implantation 60%~80%
Absorption Profile	Degradation by hydrolysis within90-110days
Indications	Subcutaneous and intracutaneous closure, Gynaecology, Odontology, Paediatric surgery, Ophthalmology, Ligatures
Sterilization	Ethylene oxide gas

WEGO-SILK DATA SHEET

Structure	Braided, Twisted
Composition	Natural silk
Coating	Medical Grade Silicone / Wax Uncoated (Twisted Silk)
Color	Black (Braided Silk) Blue(Twisted Silk)
Sizes	USP 6- USP 8/0 metric8 – metric 0.4(Braided Silk) USP 8/0- USP 9/0 metric0.4 – metric 0.3(Twisted Silk)
Mass absorption	Non-absorbable
Indications	General surgery, Skin Closure, Oral surgery, Neurosurgery, Ligatures (Braided Silk)
Contraindications	Braided Silk should not be used in the biliary or urinary tracts or in cases of infection
Sterilization	Ethylene oxide

WEGO-NYLON DATA SHEET

Structure	Monofilament
Chemical composition	Polyamide 6 and 6.6
Color	Blue/Black
Sizes	USP 2- USP 6/0 metric 2 – metric 0.1
Knot tensile strength Retention	15-20% per year
Indications	Skin and Plastic Surgery, Micro-vascular surgery, Ophthalmology, Orthopaedics
Contraindications	Not known
Sterilization	Ethylene oxide

WEGO- BRAIDED NYLON DATA SHEET

Structure	Braided
Chemical composition	Polyamide 6 and 6.6
Color	Black(logwood)/Blue(FD&C Blue No.2/ White(Undyed)
Coating	Silicone / Wax
Sizes	USP 2- USP 10/0 metric 2 – metric 0.1
Knot tensile strength Retention	15-20% per year
Indications	Skin and Plastic Surgery, Micro-vascular surgery, Ophthalmology, Orthopaedics
Contraindications	Not known.
Sterilization	Ethylene oxide

WEGO-POLYESTER DATA SHEET

Structure	Braided
Chemical Composition	Polyethylene terephthalate
Coating	Medical Grade Silicone/ Un-coated / Teflon
Color	Green or White
Sizes	USP 3- USP 6/0 metric6 – metric 0.7
Mass absorption	Non-absorbable
Indications	Skin Closure, Cardiovascular surgery, Vascular surgery, Ophthalmology, Orthopaedics, Gastrointestinal surgery, Neurosurgery
Contraindications	Not Known
Sterilization	Ethylene oxide

WEGO-POLYPROPYLENE DATA SHEET

Structure	Monofilament
Chemical composition	Polypropylene
Color	Blue
Sizes	USP 2- USP 10/0 metric 2 – metric 0.1
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

POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE			
				2-0	0	#1	#2
		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		G12402H-90	GB2402H-90	
		45mm 1/2 Blunt Point	90cm			GB2452-90	GC2452-90
		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	60cm			G41133-60		
		17mm 3/8 Taper	45cm			G41173-45		
		15mm 1/2 Taper	75cm	G61152-75	G51152-75	G41152-75		
		17mm 1/2 Taper	70cm 75cm		G51172-75	G41172-75		
		20mm 1/2 Taper	75cm			G41202-75	G31202-75	
		22mm 1/2 Taper	70cm			G41222-70	G31222-70	G21222-70
		22mm 1/2 Taper	8*70cm				G31222-70*8	
		26mm 1/2 Taper	75cm				G31262-75	G21262-75
		26mm 1/2 Taper	8*45cm				G31262-45*8	G21262-45*8
		25mm 1/2 Taper	70cm 75cm					G21252-70 G21252-75
		26mm 1/2 Taper	75cm				G31262-75	G21262-75
		30mm 1/2 Taper	70cm 75cm				G31302-70 G31302-75	G21302-70 G21302-75

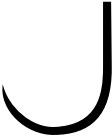
POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE			
				2-0 or 3-0	0	#1	#2
		31mm 1/2 Taper	70cm	G21312-70	G11312-70		
		30mm 1/2 Taper	75cm	G21302-75	G11302-75	GB1302-75	
		36mm 1/2 Taper	8*70cm	G21362-70*8	G11362-70*8		
		37mm 1/2 Taper	75cm 90cm	G21372-75 G21372-90	G11372-75 G11372-90		
		40mm 1/2 Taper	70cm	G21402-70	G11402-70	GB1402-70	
		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
		36mm 1/2 Taper Heavy	90cm			GB1362H-90	
		40mm 1/2 Taper Heavy	75cm	G21402H-75 G31402H-75		GB1402H-75	GC1402H-75

POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description		USP SIZE				
				3-0	2-0	0	#1	#2
		40mm 1/2 Taper Heavy	4*70cm				GB1402H-70*4	GC1402H-70*4
		40mm 1/2 Taper	70cm 75cm 90cm	G31402-70 G31402-75	G21402-70 G21402-75	G11402-70 G11402-75 G11402-90	GB1402-70 GB1402-75 GB1402-90	GC1402-70 GC1402-75 GC1402-90
		45mm 1/2 Taper	75cm			G11452-75	GB1452-75	GC1452-75
		48mm 1/2 Taper	75cm			G11482-75	GB1482-75	GC1482-75
		50mm 1/2 Taper	70cm					GC1502-70
		64mm 1/2 Taper	75cm		G21642-75	G11642-75	GB1642-75	GC1642-75
		80mm 1/2 Blunt	90cm				GB2802-100	
		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	#2
		22mm J Taper	75cm			G4122J-75	G3122J-75				
		36mm J Taper	75cm					G2136J-75	G1136J-75		
		13mm 3/8 Tapercut	75cm	G67133-75	G57133-75	G47133-75					
		20mm 1/2 Tapercut	75cm				G37202-75				
		17mm 3/8 Tapercut	75cm		G57173U-75	G47173U-75	G37173U-75				
		22mm 1/2 Tapercut	70cm 75cm			G47222U-70	G37222-70	G27222-75			
		26mm 1/2 Tapercut	75cm				G37262-75	G27262-75			
		26mm 1/2 Tapercut Heavy	75cm					G27262H-75			
		31mm 1/2 Tapercut	75cm					G27312-75	G17312-75	GB7312-75	
		37mm 1/2 Tapercut	75cm 90cm				G37372-90	G27372-75 G27372-90	G17372-75 G17372-90		

POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE			
				2-0	0	#1	#2
		36mm 1/2 Tapercut Heavy	75cm 90cm			GB7362H-75 GB7362H-90	GC7362H-75
		40mm 1/2 Tapercut	75cm 75cm 90cm	G27402U-75 G27402-90	G17402U-75 G17402-90	GB7402-75 GB7402-90	
		40mm 1/2 Tapercut Heavy	75cm 75cm	G27402H-75 G27402HU-75	G17402H-75 G17402HU-75	GB7402H-75 GB7402HU-75	
		45mm 1/2 Tapercut	75cm	G27452-75	G17452-75	GB7452-75	GC7452-75
		80mm 1/2 Tapercut	75cm		G17802-75	GB7802-75	
		31mm J Tapercut	75cm			GB731J-75	
		22mm 1/2 Reverse Cutting	70cm 75cm			GB3222U-70	GC3222-75
		40mm 1/2 Reverse Cutting	75cm 90cm		G13402-75 G13402-90	GB3402-75 GB3402-90	
		50mm 1/2 Reverse Cutting	70cm				GC3502-70

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 premium	45cm	G66113U-45	G56113U-45			
		19mm 3/8 Reverse Cutting premium	45cm		G56193U-45	G46193U-45	G36193U-45	
		26mm 3/8 Reverse Cutting premium	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 Conventional Cutting Premium	45cm	G66133U-45	G56133U-45			
		16mm 3/8 Conventional Cutting Premium	45cm		G56163U-45	G46163U-45	G36163U-45	
		19mm 3/8 Conventional Cutting Premium	45cm			G46193U-45	G36193U-45	
		26mm 3/8 Conventional Cutting Premium	45cm 75cm			G46263U-45 G46263U-75	G36263U-45 G36263U-75	G26263U-45 G26263U-75
		36mm 3/8 Conventional Cutting Premium	75cm				G36363U-75	G26363U-75
		16mm 3/8 Conventional Cutting	75cm		G54163-75	G44163-75	G34163-75	
		22mm 1/2 Conventional Cutting	45cm 45cm			G44222-45	G34222-45 G34222U-45	
		26mm 5/8 Conventional 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 premium	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 Tapercut	75cm			G47175U-75				
		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 Spatula	30cm 45cm					G68083-30 G68083-45		
		8mm 1/4 Spatula Double	20cm 45cm 45cm					G68084D-20 G68084D-45 G68084DU-45	G58084D-45 G58084DU-45	
		8mm 1/4 Spatula 200/ 340 micrometer	30cm 45cm			G88084-45		G68084-30 G68084-45		
		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 Tapercut	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 visi-black	20cm							G41190A-20

POLYGLYCOLIC ACID PRECUT

PGA	5-0	Braided	Violet	150cm*1	precut	G5015001
PGA	4-0	Braided	Violet	150cm*1	precut	G4015001
PGA	3-0	Braided	Violet	150cm*1	precut	G3015001
PGA	2-0	Braided	Violet	150cm*1	precut	G2015001
PGA	0	Braided	Violet	150cm*1	precut	G1015001
PGA	1	Braided	Violet	150cm*1	precut	GB015001
PGA	2	Braided	Violet	150cm*1	precut	GC015001
PGA	4-0	Braided	Violet	45cm*6	precut	G4004506
PGA	3-0	Braided	Violet	45cm*4 45cm*6	precut	G3-45x4 G3-45x6
PGA	2-0	Braided	Violet	45cm*6	precut	G2004506
PGA	0	Braided	Violet	45cm*6	precut	G1004506
PGA	1	Braided	Violet	45cm*6	precut	GB004506
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
PGA	4-0	Braided	Violet	250cm	reel	G4025001R



RAPID POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE					
				5-0	4-0	3-0	2-0	0	#1
		17mm 1/2 Taper Point	70cm 120cm	K51172-70	K41172-70	K31172-70 K31172-120			
		26mm 1/2 Taper Point	75cm			K31262-75	K21262-75		
		30mm 1/2 Taper Point	75cm 90cm				K21302-75 K21302-90	K11302-90	KB1302-90
		40mm 1/2 Taper Point	90cm					K11402-90	
		48mm 1/2 Taper Point Heavy	90cm				K21482H-90		
		26mm 1/2 Taper point	90cm				K27262-90		
		37mm 1/2 Taper Point	75cm 90cm 120cm				K21372-75 K21372-90 K21372-120	K11372-90	KB1372-90
		20mm 1/2 Taper point	75cm			K31202-75			
		48mm 1/2 Taper Point	90cm				K21482-70	K11482-70	KB1482-90
		26mm 1/2 Reverse Cutting	75cm				K23262-75		

RAPID POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE						
				8-0	7-0	6-0	5-0	4-0	3-0	2-0
		11mm 3/8 Reverse Cutting	45cm			K63113-45	K53113-45			
		13mm 3/8 Premium Reverse Cutting	45cm				K56133-45	K46133-45		
		19mm 3/8 Premium Reverse Cutting	75cm					K46193-75	K36193-75	
		26mm 3/8 Premium Reverse Cutting	75cm						K36263-75	K26263-75
		36mm 3/8 Premium Reverse Cutting	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					K46163-75	K36163-75	
		16mm 3/8 Conventional Cutting	75cm					K44163-75	K34163-75	

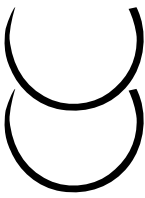
RAPID POLYGLYCOLIC ACID

Needle	Point Shape	Needle Description	Length	USP SIZE						
				8-0	7-0	6-0	5-0	4-0	3-0	#1
		22mm 1/2 Premium Cutting	45cm						K36222-45	
		35mm 3/8 Conventional Cutting	70cm							KB4353-70
		26mm 5/8 Conventional 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		
		6.5mm 3/8 Spatula	30cm	K88063V-30		K68063V-30				
		6.5mm 3/8 Spatula Double	30cm 45cm	K88063DV-30	K78063DV-45					
		6.5mm 3/8 Spatula Double	30cm		K78063DV-30					
		9.3mm 3/8 Taper Point	30cm	K81093V-30						
		Precut 150*12	150cm						K3015012	K2015012

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	45cm			D51132-45	D41132-45				
		17mm 1/2 Taper point	90cm			D51172-90	D41172-90				
		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	70cm	D71132-70	D61132-70	D51132-70	D41132-70				
		20mm 1/2 Taper point	70cm				D41202-70	D31202-70			
		26mm 1/2 Taper point	70cm 90cm					D31262-70 D31262-90		D11262-70	
		30mm 1/2 Taper point	70cm					D31302-70	D21302-70		

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
		50mm 1/2 Taper point	150cm loop					DB1502P-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							
				7-0	6-0	5-0	4-0	3-0	2-0	0	#1
		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								DB7402H-P-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							
				7-0	6-0	5-0	4-0	3-0	2-0	0	#1
		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 Reverse Cutting Prime	45cm			D56163-45	D46163-45				
		19mm 3/8 Reverse Cutting Prime	45cm				D46193-45				
		11mm 3/8 Reverse Cutting Prime	45cm		D66113-45						
		26mm 3/8 Reverse Cutting Prime	70cm				D46263-70		D26263-70		
		19mm 3/8 Reverse Cutting	45cm				D43193-45				
		26mm 3/8 Reverse Cutting	45cm					D33263-45			
		13mm 3/8 Cutting Prime	45cm		D66133-45	D56133-45					
		16mm 3/8 Cutting Prime	45cm			D56163-45	D46163-45				
		19mm 3/8 Cutting Prime	45cm			D56193-45	D46193-45				
		26mm 3/8 Cutting Prime	45cm				D46263-45				
		26mm 3/8 Cutting Prime	70cm					D36263-70			
		36mm 3/8 Cutting Prime	70cm						D26363-70		

PDO

Needle	Point Shape	Needle Description	Length	USP SIZE					
				7-0	6-0	5-0	4-0	3-0	2-0
		16mm 3/8 Cutting	70cm			D54163-70	D44163-70		
		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 Point	20cm				D41190-20		

PDO Precut

Polydioxanone	1#	Mono	Violet	45*9	precut	DB004509
Polydioxanone	0	Mono	Violet	45*10	precut	D1004510
Polydioxanone	2-0	Mono	Violet	45*11	precut	D2004511



PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE			
				2-0	0	#1	#2
		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		A12402-75	AB2402H-90	
		45mm 1/2 Blunt Point	90cm			AB2452-90	AC2452-90
		48mm 1/2 Blunt Point	90cm		A12482-90	AB2482-90	
		65mm 3/8 Blunt Point	100cm			AB12653-100	

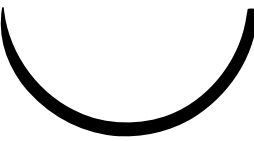
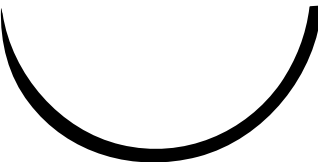
PGLA

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	70cm				A31222-70			
		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						
				5-0	4-0	3-0	2-0	0	#1	#2
		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		
		37mm 1/2 Taper	75cm				A21372-75	A11372-75		
		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
		36mm 1/2 Taper Heavy	90cm						AB1362H-90	
		40mm 1/2 Taper Heavy	8*45cm						AB1402H-45*8	AC1402H-45*8
		40mm 1/2 Taper Heavy	4*70cm						AB1402H-70*4	AC1402H-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					
				4-0	3-0	2-0	0	#1	#2
		45mm 1/2 Taper	75cm				A11452-75		
		48mm 1/2 Taper Heavy	8*45cm					AB1482H-45*8	AC1482H-45*8
		48mm 1/2 Taper Heavy	75cm 90cm				A11482H-75 A11482H-90	AB1482H-75 AB1482H-90	AC1482H-75 AC1482H-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		
		22mm J Taper	75cm	A4122J-75	A3122J-75				
		36mm J Taper	75cm			A2136J-75	A1136J-75		

PGLA

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

PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE				
				3-0	2-0	0	#1	#2
		36mm 1/2 Tapercut Heavy	75cm 90cm				AB7362H-75 AB7362H-90	AC7362H-75
		40mm 1/2 Tapercut	75cm 90cm		A27402U-75 A27402-90	A17402U-75 A17402-90	AB7402-75 AB7402-90	
		40mm 1/2 Tapercut Heavy	75cm 75cm		A27402H-75 A27402HU-75	A17402H-75 A17402HU-75	AB7402H-75 AB7402HU-75	
		45mm 1/2 Tapercut	75cm		A27452-75	A17452-75	AB7452-75	AC7452-75
		80mm 1/2 Tapercut	75cm			A17802-75	AB7802-75	
		26mm 1/2 Tapercut Heavy	75cm		A27262H-75			
		31mm 1/2 Tapercut	75cm		A27312-75	A17312-75	AB7312-75	
		36mm 1/2 Tapercut	75cm 90cm	A37362-90	A27362-75 A27362-90	A17362-75 A17362-90		
		31mm J Tapercut	75cm				AB731J-75	
		22mm 1/2 Reverse Cutting	70cm 75cm				AB3222U-70	AC3222-75
		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

PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE				
				6-0	5-0	4-0	3-0	2-0
		11mm 3/8 Reverse Cutting	45cm	A66113U-45	A56113U-45			
		16mm 3/8 Reverse Cutting	75cm			A43163-75		
		26mm 3/8 Reverse Cutting premium	45cm 75cm				A36263U-45 A36263U-75	A26263U-75
		19mm 3/8 Reverse Cutting	45cm 45cm			A43193-45 A43193U-45		
		25mm 3/8 Reverse Cutting	45cm 75cm				A33253-45 A33253-75	
		17mm 3/8 Reverse Cutting	60cm		A53173-60			
		13mm 3/8 Reverse Cutting	60cm		A53133-60			
		13mm 3/8 Conventional Cutting Premium	45cm	A66133U-45	A56133U-45			
		16mm 3/8 Conventional Cutting Premium	45cm		A56163U-45	A46163U-45	A36163U-45	
		19mm 3/8 Conventional Cutting Premium	45cm			A46193U-45	A36193U-45	
		26mm 3/8 Conventional Cutting Premium	45cm 75cm			A46263U-45 A46263U-75	A36263U-45 A36263U-75	A26263U-45 A26263U-75
		36mm 3/8 Conventional Cutting Premium	75cm				A36363U-75	A26363U-75
		16mm 3/8 Conventional Cutting	75cm		A54163-75	A44163-75	A34163-75	
		22mm 1/2 Conventional Cutting	45cm 45cm			A44222-45	A34222-45 A34222U-45	
		26mm 5/8 Conventional 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 premium	75cm 75cm				A36600-75 A36600U-75	

PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE							
				6-0	5-0	4-0	3-0	2-0	0	#1	#2
		17mm 5/8 Tapercut	75cm							A47175U-75	
		6.4mm 3/8 Spatula	15cm			A88063-15					
		6.4mm 3/8 Spatula Double 200 micrometers	30cm 45cm		A78063D-45	A88063D-30 A88063D-45	A78063D-30				
		6.4mm 3/8 Spatula	10cm	AA8063-10	A98063-10						
		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					
		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 Tapercut	30cm					A67105-30			
		13mm 3/8 Reverse Cutting Double	45cm						A53133D-45	A43133D-45	
		9.3mm 3/8 Taper	15cm 30cm	AA1093-15		A81093-30		A61093-30			
		19mm Straight visi-black	20cm							A41190A-20	

PGLA Precut

PGLA	5-0	Braided	Violet	150cm*1	precut	A5015001
PGLA	4-0	Braided	Violet	150cm*1	precut	A4015001
PGLA	3-0	Braided	Violet	150cm*1	precut	A3015001
PGLA	2-0	Braided	Violet	150cm*1	precut	A2015001
PGLA	0	Braided	Violet	150cm*1	precut	A1015001
PGLA	1	Braided	Violet	150cm*1	precut	AB015001
PGLA	2	Braided	Violet	150cm*1	precut	AC015001
PGLA	4-0	Braided	Violet	45cm*6	precut	A4004506
PGLA	3-0	Braided	Violet	45cm*6	precut	A3004506
PGLA	2-0	Braided	Violet	45cm*6	precut	A2004506
PGLA	0	Braided	Violet	45cm*6	precut	A1004506
PGLA	1	Braided	Violet	45cm*6	precut	AB004506
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

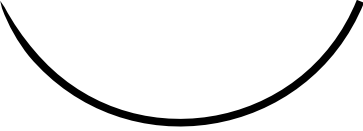
RAPID PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE						
				6-0	5-0	4-0	3-0	2-0	0	#1
		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
		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 Reverse Cutting	45cm		J56133-45	J46133-45				
		19mm 3/8 Premium Reverse Cutting	75cm			J46193-75	J36193-75			
		26mm 3/8 Premium Reverse Cutting	75cm				J36263-75	J26263-75		

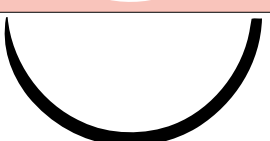
RAPID PGLA

Needle	Point Shape	Needle Description	Length	USP SIZE						
				8-0	7-0	6-0	5-0	4-0	3-0	2-0
		36mm 3/8 Premium Reverse Cutting	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					J46163-75	J36163-75	
		16mm 3/8 Conventional Cutting	75cm					J44163-75	J34163-75	
		22mm 1/2 Premium Cutting	45cm						J36222-45	
		22mm 1/2 Conventional Cutting	45cm					J44222-45	J34222-45	
		26mm 5/8 Conventional 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		
		6.5mm 3/8 Spatula	30cm	J88063V-30		J68063V-30				
		6.5mm 3/8 Spatula Double	30cm 45cm	J88063DV-30	J78063DV-45					
		6.5mm 3/8 Spatula Double	30cm		J78063DV-30					
		9.3mm 3/8 Taper Point	30cm	J81093V-30						
		Precut 150*12	150cm						J3015012	J2015012

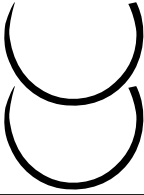
PGCL

Needle	Point Shape	Needle Description	Length	USP SIZE				
				4-0	3-0	2-0	0	#1
		31 mm 1/2 Blunt Point	70 cm			Q22312V-70		
		40 mm 1/2 Blunt Point	90 cm				Q12402V-90	QB2402V-90
		45 mm 1/2 Blunt Point	90 cm					QB2452V-90
		48 mm 1/2 Blunt Point	90 cm					QB2482V-90
		70 mm 1/2 Blunt Point	90 cm					QB2702V-90
		65 mm 3/8 Blunt Point	90 cm					QB2653V-90
		17 mm 3/8 Taper	70 cm	Q41173V-70				
		31 mm 3/8 Taper	70 cm			Q21313V-70		

PGCL

Needle	Point Shape	Needle Description	Length	USP SIZE						
				6-0	5-0	4-0	3-0	2-0	0	#1
		13 mm 1/2 Taper	45 cm 70 cm	Q61132V-45 Q61132V-70	Q51132V-70					
		17 mm 1/2 Taper	70 cm			Q41172V-70	Q31172V-70			
		22 mm 1/2 Taper	70 cm			Q41222V-70	Q31222V-70	Q21222V-70		
		26 mm 1/2 Taper	70 cm				Q31262V-70	Q21262V-70		
		26 mm 1/2 Taper	8×70 cm				Q31262V-70×8			
		26 mm 1/2 Taper	8×45 cm				Q31262V-45×8			
		26 mm 1/2 Taper	70 cm				Q31262-70			
		26 mm 1/2 Taper Double	70 cm			Q41262D-70	Q31262D-70	Q21262D-70		
		31 mm 1/2 Taper	70 cm				Q31312V-70	Q21312V-70	Q11312V-70	QB1312V-70
		31 mm 1/2 Taper	70 cm					Q21312-70		
		36 mm 1/2 Taper	70 cm					Q21362V-70	Q11362V-70	QB1362V-70
		26 mm 1/2 Taper Heavy	90 cm					Q21262HV-90	Q11262HV-90	QB1262HV-90
		36 mm 1/2 Taper Heavy	90 cm					Q21362HV-90	Q11362HV-90	QB1362HV-90
		40 mm 1/2 Taper Heavy	70 cm						Q11402HV-70	QB1402HV-70
		45 mm 1/2 Taper Heavy	90 cm							QB1452HV-90
		48 mm 1/2 Taper Heavy	70 cm					Q21482HV-70		

PGCL

Needle	Point Shape	Needle Description	Length	USP SIZE						
				6-0	5-0	4-0	3-0	2-0	0	#1
		26 mm 5/8 Taper	70 cm				Q31265V-70	Q21265V-70		
		26 mm 5/8 Taper Double	70 cm				Q31265DV-70			
		36 mm 5/8 Taper	70 cm					Q21365V-70	Q11365V-70	
		36 mm 5/8 Taper Double	70 cm					Q21365DV-70		
		26 mm 1/2 Taper-cut	70 cm					Q27262V-70		
		26 mm 1/2 Taper-cut	70 cm				Q37262-70	Q27262-70		
		36 mm 1/2 Taper-cut	70 cm					Q27362V-70	Q17362V-70	QB7362V-70
		36 mm 1/2 Reverse Cutting	70 cm					Q23362V-70	Q13362V-70	
		40 mm 1/2 Reverse Cutting	90 cm							QB3402V-90
		11 mm 3/8 Premium Cutting	45 cm	Q66113-45						
		13 mm 3/8 Premium Cutting	45 cm	Q66133-45						
		24 mm 3/8 Premium Cutting	70 cm				Q36243-70			
		13 mm 3/8 Premium Cutting	45 cm		Q56133-45					
		16 mm 3/8 Cutting	45 cm		Q54163V-45	Q44163V-45				

PGCL

Needle	Point Shape	Needle Description	Length	USP SIZE				
				6-0	5-0	4-0	3-0	2-0
		19 mm 3/8 Premium Cutting	45 cm			Q46193-45	Q36193-45	
		26 mm 3/8 Premium Cutting	70 cm			Q46263-70	Q36263-70	
		16 mm 3/8 Reverse Cutting	45 cm		Q53163-45			
		19 mm 3/8 Reverse Cutting	45 cm			Q43193-45		
		19 mm 3/8 Reverse Cutting	70 cm		Q53193-70		Q33193-70	
		26 mm 3/8 Reverse Cutting	70 cm				Q33263-70	Q23263-70
		60 mm Straight Cutting	70 cm			Q43600-70	Q33600-70	Q23600-70
		8 mm 1/4 Spatula Double	45 cm			Q48084D-45		

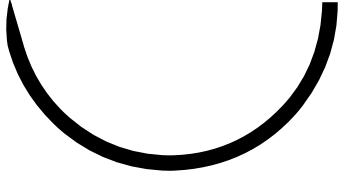
PGCL PRECUT

PGCL	3-0	Mono	Violet	150 cm	precut	Q3015001V
PGCL	2-0	Mono	Violet	150 cm	precut	Q2015001V
PGCL	0	Mono	Violet	150 cm	precut	Q1015001V
PGCL	1	Mono	Violet	150 cm	precut	QB015001V
PGCL	3-0	Mono	Violet	250 cm	reel	Q3025001RV
PGCL	2-0	Mono	Violet	250 cm	reel	Q2025001RV
PGCL	1	Mono	Violet	250 cm	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						
				5-0	4-0	3-0	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	L1007501
PLAIN CATGUT	1-0	Braided	Yellow	150*1	L1015001
PLAIN CATGUT	2-0	Braided	Yellow	75*1	L2007501
PLAIN CATGUT	2-0	Braided	Yellow	150*1	L2015001
PLAIN CATGUT	3-0	Braided	Yellow	75*1	L3007501
PLAIN CATGUT	3-0	Braided	Yellow	150*1	L3015001
PLAIN CATGUT	4-0	Braided	Yellow	75*1	L4007501
PLAIN CATGUT	4-0	Braided	Yellow	150*1	L4015001
PLAIN CATGUT	5-0	Braided	Yellow	75*1	L5007501
PLAIN CATGUT	5-0	Braided	Yellow	150*1	L5015001
PLAIN CATGUT	6-0	Braided	Yellow	75*1	L6007501
PLAIN CATGUT	1#	Braided	Yellow	75*1	LB007501
PLAIN CATGUT	1#	Braided	Yellow	150*1	LB015001
PLAIN CATGUT	2#	Braided	Yellow	75*1	LC007501
PLAIN CATGUT	2#	Braided	Yellow	150*1	LC015001
PLAIN CATGUT	3#	Braided	Yellow	75*1	LD007501
PLAIN CATGUT	3#	Braided	Yellow	150*1	LD015001

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	C31192-75	C21192-75			
		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-cut	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							
				6-0	5-0	4-0	3-0	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-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 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-cut Heavy	75cm					C27452H-75	C17452H-75	CB7452H-75	CC7452H-75
		50mm 1/2 Taper	75cm					C21502-75	C11502-75	CB1502-75	CC1502-75
		50mm 1/2 Reverse Cutting	75cm						C13502-75	CB3502-75	

CHROMIC CATGUT PRECUT

CHROMIC CATGUT	1-0	Braided	Brown	75*1	C1007501
CHROMIC CATGUT	1-0	Braided	Brown	150*1	C1015001
CHROMIC CATGUT	2-0	Braided	Brown	75*1	C2007501
CHROMIC CATGUT	2-0	Braided	Brown	150*1	C2015001
CHROMIC CATGUT	3-0	Braided	Brown	75*1	C3007501
CHROMIC CATGUT	3-0	Braided	Brown	150*1	C3015001
CHROMIC CATGUT	4-0	Braided	Brown	75*1	C4007501
CHROMIC CATGUT	4-0	Braided	Brown	150*1	C4015001
CHROMIC CATGUT	5-0	Braided	Brown	75*1	C5007501
CHROMIC CATGUT	5-0	Braided	Brown	150*1	C5015001
CHROMIC CATGUT	6-0	Braided	Brown	75*1	C6007501
CHROMIC CATGUT	1#	Braided	Brown	75*1	CB007501
CHROMIC CATGUT	1#	Braided	Brown	150*1	CB015001
CHROMIC CATGUT	2#	Braided	Brown	75*1	CC007501
CHROMIC CATGUT	2#	Braided	Brown	150*1	CC015001
CHROMIC CATGUT	3#	Braided	Brown	75*1	CD007501
CHROMIC CATGUT	3#	Braided	Brown	150*1	CD015001

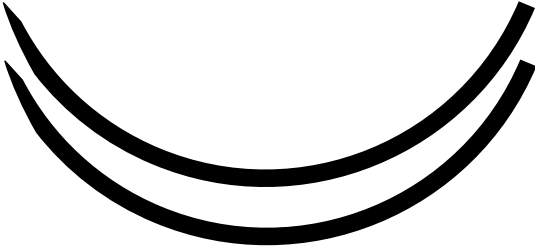
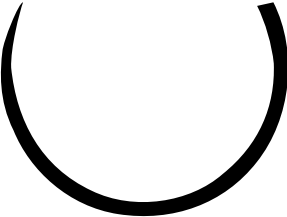
SILK

Needle	Point Shape	Needle Description	Length	USP SIZE							
				6-0	5-0	4-0	3-0	2-0	0	#1	#2
		26mm 1/2 Taper point	75cm				S31262-75		S11262-75		
		25mm 1/2 Taper point	75cm					S21252-75	S11252-75		
		16mm 1/2 Reverse Cutting	70cm	S63162-70	S53162-70						
		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				
		22mm 1/2 Taper	75cm					S21222-75			
		30mm 1/2 reverse cutting	75cm				S33302-75				
		30mm 3/8 Taper	75cm					S21303-75			
		25mm 26mm 1/2 reverse cutting	45cm 75cm			S43262-45	S33262-45 S33252-75	S23262-45			
		31mm 1/2 Taper	75cm				S31312-75	S21312-75	S11312-75		
		35mm 1/2 Taper	75cm				S31352-75		S11352-75		
		30mm 1/2 Taper	75cm					S21302-75			
		31mm 1/2 Taper Heavy	75cm							SB1312H-75	
		40mm 1/2 Taper Heavy	75cm								SC1402H-75
		40mm 3/8 Reverse Cutting	75cm					S23403-75			

SILK

Needle	Point Shape	Needle Description	Length	USP SIZE							
				6-0	5-0	4-0	3-0	2-0	0 or 1/0	#1	#2
		20mm 3/8 Reverse Cutting	70cm				S33203-70				
		24mm 3/8 Reverse Cutting	75cm				S33243-75				
		30mm 3/8 Reverse Cutting	75cm				S33303-75				
		29mm 3/8 Reverse Cutting	70cm			S43293-70					
		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 70cm			S43263-70	S33263-45	S23263-45			
		35mm 3/8 Reverse Cutting	70cm				S33353-70	S23353-70			
		45mm 3/8 Reverse Cutting	75cm						S13453-75		
		16mm 3/8 Conventional Cutting Premium	45cm		S56163-45	S46163-45	S36163-45				
		11mm 3/8 Conventional Cutting	45cm		S54113-45						
		13mm 3/8 Conventional Cutting	75cm		S54133-75						
		16mm 3/8 Conventional Cutting Double	38cm		S54163D-38	S44163D-38	S34163D-38				
		16mm 3/8 Conventional Cutting	75cm 75cm*2		S54163-75*2	S44163-75*2 S44163-75*2	S34163-75*2 S34163-75*2	S24163-75*2			
		16mm 3/8 Conventional Cutting	45cm	S64163-45	S54163-45	S44163-45					
		26mm 3/8 Conventional Cutting	45cm		S54263-45	S44263-45	S34263-45				
		36mm 3/8 Conventional Cutting	70cm						S14363-70		

SILK

Needle	Point Shape	Needle Description	Length	USP SIZE						
				5-0	4-0	3-0	2-0	0	#1	#2
		80mm 3/8 Conventional Cutting	75cm					S14803- 75	SB4803- 75	
		90mm 3/8 Conventional Cutting	100cm						SB4903- 100	SC4903- 100
		20mm 1/2 Reverse cutting	70cm		S43202- 70					
		16mm 1/2 Conventional Cutting	45cm		S44162- 45					
		17mm 1/2 Conventional Cutting	75cm	S54172- 75						
		22mm 1/2 Conventional Cutting	45cm			S34222- 45	S24222- 45			
		26mm 5/8 Conventional Cutting	75cm			S34265- 75				
		75mm 5/8 Conventional 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 Conventional Cutting	4*45cm							S44163-45*4		
		22mm J Taper	20cm									S2B220-20

NYLON

Needle	Point Shape	Needle Description	Length	USP SIZE						
				6-0	5-0	4-0	3-0	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	
		35mm 1/2 Taper Point	70cm 150cm				N31352-70			NB1352-150
		40mm 1/2 Taper Point heavy	100cm						N11402H-100	NB1402H-100
		40mm 1/2 Taper Point heavy	150cm Loop						NH1402HP-150	
		48mm 1/2 Taper Point heavy	100cm							NB1482H-100
		40mm 1/2 Taper Point	150cm Loop						N11402P-150	
		48mm 1/2 Taper Point	150cm Loop							NB1482P-150
		45mm 1/2 Tapercut	200cm Loop							NB7452HP-200
		35mm 1/2 Reverse Cutting	70cm				N33352-70			
		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	0
		13mm 3/8 Reverse Cutting Prime	45cm	N66133-45 N63133-45	N56133-45				
		16mm 3/8 Cutting	45cm		N54163-45	N44163-45			
		19mm 3/8 Reverse Cutting Prime	45cm			N46193-45			
		24mm 3/8 Reverse Cutting Prime	45cm				N36243-45		
		8mm 3/8 Reverse Cutting Prime	45cm	N66083-45	N56083-45				
		13mm 3/8 Reverse Cutting Prime	45cm			N46133-45			
		16mm 3/8 Reverse Cutting Prime	45cm	N66163-45					
		19mm 3/8 Reverse Cutting Prime	45cm 75cm		N56193-45	N46193-45 N46193-75	N36193-45		
		31mm 3/8 Reverse Cutting Prime	45cm 70cm				N36313-45 N36313-70	N26313-70	
		36mm 3/8 Reverse Cutting Prime	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 Cutting Prime	45cm	N66163-45	N56163-45	N46163-45			
		19mm 3/8 Cutting /Prime	45cm		N46193-45	N44193-45	N34193-45		
		26mm 3/8 Cutting Prime	45cm	N66263-45	N56263-45				
		16mm 3/8 Cutting Prime	45cm	N66163-45	N56163-45	N54163-45			

NYLON

Needle	Point Shape	Needle Description	Length	USP SIZE					
				6-0	5-0	3-0	2-0	0	#1
		40mm 3/8 Cutting Prime	75cm				N26403-75		
		22mm 3/8 Cutting	45cm				N24223-45		
		40mm 3/8 Cutting	45cm				N24403-45		
		60mm 3/8 Cutting	100cm				N24603-100		
		90mm 3/8 Cutting	2x50cm						NB4903-50*2
		90mm 3/8 Cutting	75cm						NB4903-75
		90mm 3/8 Cutting	100cm				N24903-100	N14903-100	NB4903-100
		55mm Straight Cutting	100cm				N24550-100		
		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	7-0
		6.4mm 3/8 Spatula	30cm	NA8063-30			
		6mm 3/8 Spatula micropoint double 150micrometer	30cm 45cm	NA8063D-30	N98063D-30	N88063D-30	N78063D-45
		5.5mm 1/2 Spatula double	30cm	NA8052D-30			
		6.4mm 3/8 Spatula double	30cm	NA8063D-30	N98063D-30	N88063D-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			
		6.4mm 1/2 Spatula	30cm	NA8062-30			
		6.4mm 1/2 Spatula double	30cm	NA8062D-30		N88062D-30	
		5mm 3/8 Taper Point	13cm	NA1053-13			
		5mm 3/8 Taper Point	13cm	NA1053-13	N91053-13		
		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	2x 100cm	precut	NB010002
MOLYLON	#2	Mono	Black/Blue	2x 100cm	precut	NC010002



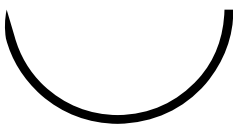
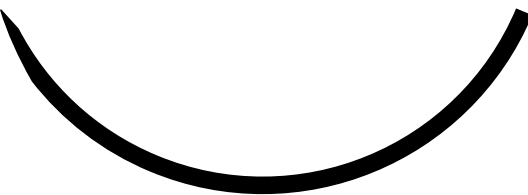
POLYESTER

Needle	Point Shape	Needle Description	Length	USP SIZE					
				6-0	5-0	4-0	3-0	2-0	0
		11 mm 3/8 Taper Double	75cm	E61113D-75					
		13 mm 3/8 Taper Double	75cm		E51133D-75	E41133D-75			
		17 mm 1/2 Taper Double	60cm		E51172D-60		E31172D-60		
		17 mm 1/2 Taper Double	10×75cm				E0161		
		17 mm 1/2 Taper Double	90cm					E21172D-90	
		20 mm 1/2 Taper Double	75cm			E41202D-75		E21202D-75	
		20 mm 1/2 Taper Double	10×75cm					E0162	
		26 mm 1/2 Taper Double	75cm			E41262-75	E31262-75		
		26 mm 1/2 Taper Double	90cm					E21262D-90	
		26 mm 1/2 Taper Double	100cm				E31262D-100		
		31 mm 1/2 Taper Double	75cm				E31312-75	E21312-75	E11312-75
		70 mm 1/2 Taper Double Heavy	75cm						E11702DH-75
		17 mm 3/8 Taper-cut Double	75cm				E37173DW-75		
		17 mm 3/8 Taper-cut Double	90cm				E37173D-90		
		17 mm 3/8 Taper-cut Double	10×90cm					E0131	
		25 mm 3/8 Taper-cut Double	10×90cm					E0132	

POLYESTER

Needle	Point Shape	Needle Description	Length	USP SIZE					
				6-0	5-0	4-0	3-0	2-0	0
		26 mm 3/8 Taper-cut Double	75 cm			E47263DW-75			
		26 mm 3/8 Taper-cut Double	90cm					E27263D-90	
		17 mm 1/2 Taper-cut Double Pledget	10×75cm					E001	
		17 mm 1/2 Taper-cut Double Pledget	10×75cm					E051	
		17 mm 1/2 Taper-cut Double	10×75cm					E0133	
		17 mm 1/2 Taper-cut Double	90cm			E47172DW-90		E27172DW-90	
		17 mm 1/2 Taper-cut Double	90cm		E57172D-90	E47172D-90		E27172D-90	
		17 mm 1/2 Taper-cut Double Pledget	4×90cm					E27172DT-90×4	
		17 mm 1/2 Taper-cut Double	4×90cm					E27172D-90×4	
		26 mm 1/2 Taper-cut Double Pledget	10×75cm					E052	
		26 mm 1/2 Taper-cut Double	10×75cm					E0134	
		26 mm 1/2 Taper-cut Double Pledget	90cm					E27262DT-90	
		26 mm 1/2 Taper-cut Double	90cm					E27262DW-90	
		26 mm 1/2 Taper-cut Double	90cm				E37262D-90	E27262D-90	E17262D-90
		26 mm 1/2 Taper-cut Double Pledget	4×90cm					E27262DT-90×4	
		26 mm 1/2 Taper-cut Double	4×90cm					E27262D-90×4	

POLYESTER

Needle	Point Shape	Needle Description	Length	USP SIZE				
				4-0	2-0	0	#1	#2
		36 mm 1/2 Taper point	75cm		E21362-75			
		48 mm 1/2 Taper-cut	75cm			E17482-75		
		40 mm 1/2 Taper point	75cm			E11402-75		
		45 mm 1/2 Taper-cut Heavy	4×75cm					EC7452H-75×4
		25 mm Straight Taper-cut	45cm	E47250DW-45				
		22 mm 1/2 Reverse Cutting	75cm			E13222-75	EB3222-75	
		22 mm 1/2 Reverse Cutting	90cm					EC3222D-90
		19 mm 3/8 Premium Cutting	45cm	E46193-45				
		90 mm 3/8 Cutting	2×50cm				EB4903-50×2	
		90 mm 3/8 Cutting	100cm		E24903-100		EB4903-100	

POLYESTER

Needle	Point Shape	Needle Description	Length	USP SIZE					
				6-0	5-0	4-0	3-0	2-0	0
		22 mm 1/2 Reverse Cutting	75cm					E23222-75	
		60 mm Straight Cutting	75cm					E23600-75	
		8 mm 1/4 Spatula Double	45 cm		E58084DW-45	E48084DW-45			
		8 mm 1/4 Spatula Double	45 cm		E58084D-45				
		8 mm 1/2 Spatula Double	45 cm		E58082DW-45				
		8 mm 1/2 Spatula Double	45 cm		E58082D-45				
		10 mm 5/8 Taper-cut	23 cm		E57105W-23				
		22 mm Straight Point	107 cm						E11220-107

POLYESTER PRECUT

POLYESTER	1#	Braided	Green	180 cm	precut	EB018001
POLYESTER	2#	Braided	Green	180 cm	precut	EC018001
POLYESTER	3-0	Braided	Green	13×60cm	precut	E3006013
POLYESTER	2-0	Braided	Green	13×60cm	precut	E2006013
POLYESTER	0	Braided	Green	13×60cm	precut	E1006013

POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE			
				6-0	5-0	4-0	2-0 ~ #2
		40mm 1/2 Taper Point	100cm				P11402-100
		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 Double	60cm	P81083D-60	P71083D-60		
		8mm 3/8 Taper Point Double	60cm	P81083D-60	P71083D-60		
		8mm 3/8 Taper Point Double	60cm	P81083D-60	P71083D-60		
		8mm 3/8 Taper Point Double	60cm	P81083D-60	P71083D-60		
		9.3mm 3/8 Taper Point Double	60cm		P71093D-60		
		9.3mm 3/8 Taper Point Double	60cm		P71093D-60		
		9.3mm 3/8 Taper Point Double	4x60cm		P71093D-60X4		
		9.3mm 3/8 Taper Point Double	60cm			P61093D-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	2-0	0
		13mm 3/8 Taper Point Double	60cm 75cm		P61133D-60 P61133D-75	P51133D-60				
		13mm 3/8 Taper Point Double 380 /282 micrometer	75cm		P0002	P0001				
		13mm 3/8 Taper point double	60cm 75cm		P61133-75 P61133D-75	P51133-75				
		13mm 1/2 Taper Point Double	75cm		P61132D-75	P51132D-75				
		16mm 1/2 Taper Point Double	90cm			P51162D-90				
		19mm 1/2 Taper Point	45cm				P41192-45			
		17mm 1/2 Taper Point Double	75cm 90cm			P51172D-75 P51172D-90	P41172-75 P41172D-75 P41172D-90	P31172-75 P31172D-90		
		20mm 1/2 Taper Point Double	90cm				P41202-90 P41202D-90		P21202-90	
		22mm 1/2 Taper Point double	75cm 90cm				P41222-75 P41222D-75 P41222D-90	P31222-75 P31222D-90		
		26mm 1/2 Taper Point Double	75cm 90cm				P41262D-90	P31262-75 P31262D-90	P21262-75 P21262D-90	
		25mm 1/2 Taper Point Double	70cm				P41252D-70	P 31252D-70		
		30mm 1/2 Taper Point Double	90cm					P31302D-90		
		30mm 1/2 Taper Point	70cm						P21320-70	
		37mm 1/2 Taper Point Double	90cm					P31372D-90	P21372D-90	
		36mm 1/2 Taper Point	70cm						P21362-70	

POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE				
				4-0	3-0	2-0	0	#1
		31mm 1/2 Taper Point Double	120cm	P31312D-120				
		30mm 1/2 Taper Point	70cm		P21302-70			
		31mm 1/2 Taper Point Double	90cm	P31312D-90	P21312D-90			
		31mm 1/2 Taper Point Heavy	100cm			P11312H-100		
		40mm 1/2 Taper Point Heavy	100cm					PB1402H-100
		40mm 1/2 Taper Point	70cm 100cm				P11402-70 P11402-100	
		65mm 1/2 Taper Point Heavy	100cm					PB1652H-100
		70mm Straight Taper Point Double	70cm			P21700D-70		

POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE								
				8-0	7-0	6-0	5-0	4-0	3-0	2-0	0	#1
		8mm 3/8 Taper-cut Double	60cm	P87083D-60	P77083D-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 70cm			P67132D-60	P57132D-70					
		13mm 1/2 Taper-cut Double	60cm 75cm				P57132D-60	P47132D-75				
		17mm 1/2 Taper-cut Double	70cm				P57172D-70	P47172D-70				
		16mm 1/2 Taper-cut Double	90cm						P37162D-90			
		20mm 1/2 Taper-cut Double	70cm					P47202D-70				

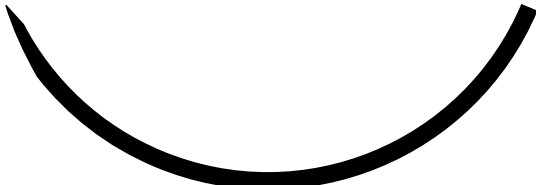
POLYPROPYLENE

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	90cm 120cm			P47262D-90	P37262D-90 P37262D-120	P27262D-90 P27262D-120		PB7262D-120
		31mm 1/2 Taper-cut Double	90cm				P37312D-90	P27312D-90		PB7312D-90
		40mm 1/2Taper- 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				P37262D-90	P27262D-90		
		36mm 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 Reverse Cutting-Prime Needle	45cm	P66083-45						
		11mm 3/8 Reverse Cutting- Prime Needle	45cm	P66113-45						

POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE							
				8-0	7-0	6-0	5-0	4-0	3-0	2-0	0
		13mm 3/8 Reverse Cutting- Prime Needle	45cm			P66133-45	P56133-45				
		16mm 3/8 Reverse Cutting- Prime Needle	45cm				P56163-45	P46163-45			
		19mm 3/8 Reverse Cutting- Prime Needle	45cm					P46193-45			
		13mm 3/8 Reverse Cutting-P Needle	45cm 75cm				P56133-75	P46133-45 P46133-75			
		16mm 3/8 Reverse Cutting-P Needle	75cm				P56163-75				
		19mm 3/8 Reverse Cutting-P Needle	45cm 75cm				P56193-45	P46193-45 P46193-75	P36193-75		
		26mm 3/8 Reverse Cutting-P Needle	45cm						P36263-45	P26263-45	
		19mm 3/8 Reverse Cutting	45cm					P43193-45			
		26mm 3/8 Reverse Cutting	45cm						P33263-45		
		16mm 3/8 Conventional Cutting Prime Needle	45cm			P66163-45	P56163-45	P46163-45			
		19mm 3/8 Conventional Cutting Prime Needle	45cm				P56193-45	P46193-45	P36193-45		
		26mm 3/8 Conventional Cutting Prime Needle	45cm			P66263-45	P56263-45	P46263-45	P36263-45		
		16mm 3/8 Conventional Cutting P Needle	45cm			P66163-45	P56163-45	P46163-45			
		19mm 3/8 Conventional Cutting P Needle	45cm				P56193-45	P46193-45			
		26mm 3/8 Conventional Cutting P Needle	45cm					P46263-45	P36263-45		
		16mm 3/8 Conventional Cutting	75cm						P34163-75		
		26mm 3/8 Conventional Cutting	45cm					P44263-45			

POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE			
				3-0	2-0	0	#1
		36mm 3/8 Conventional Cutting	75cm	P34363-75			
		36mm 3/8 Conventional Cutting	75cm	P34363-75			
		40mm 3/8 Conventional Cutting	100cm		P24403-100		
		90mm 3/8 Conventional Cutting	2X50cm				PB4903-50*2
		90mm 3/8 Conventional Cutting	90cm		P24903-90		
		22mm 1/2 Conventional Cutting	45cm	P34222-45			
		55mm Straight Cutting	90cm		P23550-90		
		60mm Straight Cutting	75cm		P23600-75		
		60mm Straight Cutting	75cm		P23600-75		
		60mm Straight Cutting	75cm		P23600-75		
		60mm Straight Cutting	75cm	P33600-75			
		60mm Straight Cutting	75cm	P33600-75			
		60mm Straight Cutting	75cm	P33600-75			
		75mm Straight Cutting	100cm	P33750-100	P23750-100	P13750-100	

POLYPROPYLENE

Needle	Point Shape	Needle Description	Length	USP SIZE	
				10-0	9-0
		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
		6.5mm 3/8 Spatula Double	30cm	PA8063D-30	
		13mm 1/4 Taper-cut	20cm	PA7134-20	
		16mm Straight Taper	15cm loop	PA1160P-15	
		16mm Straight Taper Double 150 micrometers	23cm	PA4160D-23	
		13mm 1/4 Spatula	10cm loop	PA8134P-10	
		5mm 3/8 Taper	13cm	PA1053-13	P91053-13
		5mm 3/8 Taper	13cm		P91053-13

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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