



CATALOGUE OF SUTURES & LIGATURE

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Established in the year 1994, Futura Surgicare Pvt Ltd has become one of the most trusted brand for wound closure products by understanding and catering to the requirements of surgeons and providing excellent quality of products with significant focus on research and development. Futura Surgicare Pvt. Ltd. is one of the oldest and most recognized suture manufacturing company and suture exporter in India.

In the year 2003, Futura Surgicare Pvt Ltd launched the DolphIN Sutures brand of surgical sutures. Within a period of 10 years, the company has expanded its portfolio of wound closure devices by launching surgical mesh with the brand name DolphIN Mesh, skin staplers with the brand name DolphIN Stapler and surgical tapes with the brand name DolphIN Tape.

The company's manufacturing facility is based in Bangalore and equipped with a Class 10,000 manufacturing area, in- house ETO sterilizers for sterile products and houses a fully equipped Quality Control Laboratory. The facility is run by professional, qualified and expert staff.



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1) CONFERENCE HALL



2) PRODUCTION ENTRANCE



3) PRODUCTION HALL



4) NEEDLE SUTURE ATTACHMENT



5) SUTURE WINDING



6) MICRO BIOLOGY

**ANTIBACTERIAL WITH TRICLOSAN
SYNTHETIC ABSORBABLE SURGICAL SUTURES**

PETCRYL PLUS Polyglactin 910 Antibacterial Sutures

Polyglactin 910 suture antibacterial is most widely used braided and coated synthetic absorbable suture in the world. On account of its superior properties, this suture has replaced catgut sutures in most applications. Prevents Surgical Site Infection, biocompatible.

- Virtues** : Coated for smoother passage through tissues. Secured knot placement. Superb handling property. Higher tensile strength during initial implantation period.















The suture retains approximately 88% of the tensile strength after 1 week, 61% of tensile strength after 14 days, 33% of tensile strength after 21 days and 25% after 28 days of implantation and the suture is essentially absorbed completely between 56 to 70 days.

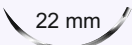

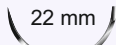

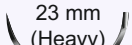



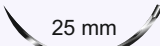

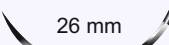




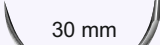


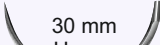

Effective against Staphylococcus aureus, Methicillin Resistant Staphylococcus aureus, Staphylococcus epidermis, Methicillin Resistant Staphylococcus epidermis, Candida albicans, Pseudomonas aeruginosa, Bacillus subtilis and Salmonella ebony.





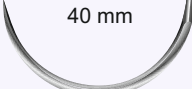




Reliable absorption in tissues by simple hydrolysis.
- Material** : Braided and coated synthetic absorbable surgical suture made from co-polymer of 90% Glycolide and 10% L-lactide, available in undyed and violet colour.
- Tissue Reaction** : Grade-1 Reactivity - Slight
- Applications** : General closure, Ophthalmic, Obstetrics/Gynaecology and Gastro-intestinal Tract Surgery.
- Choice** : Needled and pre-cut sterile sutures





















PETCRYL PLUS
Polyglactin 910 Antibacterial

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				6-0(0.7)	5-0(1)	4-0(1.5)	3-0(2)
	1/4 Circle Micropoint Spatulated		45 cm	AB 2670			
	3/8 Circle Reverse Cutting		45 cm		AB 2493	AB 2494	AB 2495
	1/2 Circle Round Body		45 cm		AB 2303		
			70 cm				
	5/8 Circle Cutting		45 cm			AB 2465	
	3/8 Circle Cutting		45 cm		AB 2442	AB 2443	AB 2471
	1/2 Circle Taper Cutting		45 cm				AB 2515
	1/2 Circle Round Body		70 cm			AB 2304	AB 2437

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				3-0(2)	2-0(3)	0(3.5)	1(4)
	3/8 Circle Cutting		45 cm	AB 2401			
	1/2 Circle Cutting		90 cm	AB 2472			
	1/2 Circle Reverse Cutting		35 cm				AB 2826
			45 cm			AB 2825	
			70 cm				AB 2826E
	5/8 circle Reverse Cutting		45 cm			AB 2510AD	
	3/8 Circle Prime Cutting		90 cm	AB 2328			
	3/8 Circle Reverse Cutting		76 cm	AB 2407U			
	3/8 Circle Cutting		90 cm		AB 2404 U		
	5/8 Circle Round Body		115cm		AB 2602		
	1/2 Circle Taper Cutting		45 cm		AB 2511A		
	1/2 Circle Round Body		70 cm		AB 2341	AB 2342	
			90 cm		AB 2317	AB 2338	
	1/2 Circle Taper Cutting		45 cm				AB 2511

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				3-0(2)	2-0(3)	0(3.5)	1(4)
 30 mm	1/2 Circle Taper Cutting		20 cm			AB 2512AA	
			45 cm			AB 2512A	
	1/2 Circle Reverse Cutting		90 cm			AB 2535	
 36 mm	1/2 Circle Taper Cutting		90 cm	AB 2516		AB 2517 OB Needle	AB 2319
 36 mm OS Needle	1/2 Circle Reverse Cutting		90 cm			AB 2534	
 40 mm	1/2 Circle Round Body		45 cm			AB 2346S	
			90 cm		AB 2345	AB 2346	
			115 cm			AB 2346 +	
 40 mm	1/2 Circle Taper Cutting		90 cm			AB 2518	
			115 cm			AB 2518+	
 40 mm Heavy	1/2 Circle Taper Cutting		45 cm				AB 2364S
			90 cm				AB 2364
 40 mm OS	1/2 Circle Reverse Cutting		90 cm				AB 2421
 40 mm OB	1/2 Circle Taper Cutting		90 cm				AB 2519
			115 cm				AB 2519+
 40 mm Heavy	1/2 Circle Round Body		45cm				AB 2347S
			70 cm				AB 2359
			90 cm		AB 2357		AB 2347 AB 2347CT
			115 cm				AB 2347+

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				2-0(3)	0(3.5)	1(4)	2 (5)
 40 mm	1/2 Circle Reverse Cutting		45 cm	AB 2382S			
			90 cm	AB 2382	AB 2384	AB 2486	AB 2351
 40 mm 40 mm	1/2 Circle Taper Cutting and 1/2 Circle Round Body	 	140 cm		AB 2346DA		
			160 cm		AB 2060		
			180 cm		AB 2080		
 40 mm Heavy 40 mm Heavy	1/2 Circle Taper Cutting and 1/2 Circle Round Body	 	140 cm			AB 2347 DA	
			160 cm			AB 2160	
			180 cm			AB 2180	
 40 mm Heavy 45 mm Heavy	1/2 Circle Taper Cutting and 1/2 Circle Round Body	 	180 cm			AB 2180HT	
 40 mm Heavy 50 mm Heavy	1/2 Circle Taper Cutting and 1/2 Circle Round Body	 	180 cm			AB 2280HT	
 45 mm Heavy	1/2 Circle Round Body		90 cm				AB 2228
			100 cm			AB 2347PB	
 50 mm Heavy	1/2 Circle Round Body		100 cm			AB 2448	
			115 cm			AB 2448+	

PRE-CUT SUTURES

SUTURE LENGTH	PACKING	SUTURE SIZE		
		2-0	0	1
1 x 150 cm	Polyglactin 910 in sterile foil over wrap pack 150 cms Box of 12's pack	AB 2203	AB 2204	AB 2205

SYNTHETIC ABSORBABLE SURGICAL SUTURES

PETCRYL 910















Polyglactin 910 Sutures

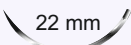

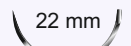





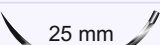

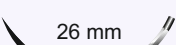




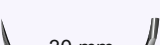


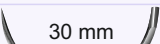

Polyglactin 910 suture is most widely used braided and coated synthetic absorbable suture in the world. On account of its superior properties, this suture has replaced catgut sutures in most applications.


- Virtues** : Coated for smoother passage through tissues.
Secured knot placement.
Superb handling property.
Higher tensile strength during initial implantation period.
The suture retains approximately 88% of the tensile strength after 1 week, 61% of tensile strength after 14 days, 33% of tensile strength after 21 days and 25% after 28 days of implantation and the suture is essentially absorbed completely between 56 to 70 days.
Reliable absorption in tissues by simple hydrolysis.
- Material** : Braided and coated synthetic absorbable surgical suture made from co-polymer of 90% Glycolide and 10% L-lactide, available in undyed and violet colour.
- Tissue Reaction** : Grade-1 Reactivity - Slight
- Applications** : General closure, Ophthalmic, Cardiovascular, Orthopaedics, Obstetrics/Gynaecology and Gastro-intestinal Tract Surgery.
- Choice** : Needled and pre-cut sterile sutures





















PETCRYL 910
Polyglactin 910

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				6-0(0.7)	5-0(1)	4-0(1.5)	3-0(2)
	1/4 Circle Micropoint Spatulated		45 cm	DS 2670			
	3/8 Circle Reverse Cutting		45 cm		DS 2493	DS 2494	DS 2495
	1/2 Circle Round Body		45 cm		DS 2303		
			70 cm			DS 2305	
	5/8 Circle Cutting		45 cm			DS 2465	
	3/8 Circle Cutting		45 cm		DS 2442	DS 2443	DS 2471
	1/2 Circle Taper Cutting		45 cm				DS 2515
	1/2 Circle Round Body		70 cm			DS 2304	DS 2437

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				3-0(2)	2-0(3)	0(3.5)	1(4)
	3/8 Circle Cutting		45 cm	DS 2401			
	1/2 Circle Cutting		90 cm	DS 2472			
	1/2 Circle Reverse Cutting		35 cm				DS 2826
			45 cm			DS 2825	
			70 cm				DS 2826E
	5/8 circle Reverse Cutting		45 cm			DS 2510AD	
	3/8 Circle Prime Cutting		90 cm	DS 2328			
	3/8 Circle Reverse Cutting		76 cm	DS 2407U			
	3/8 Circle Cutting		90 cm		DS 2404 U		
	5/8 Circle Round Body		115cm		DS 2602		
	1/2 Circle Taper Cutting		45 cm		DS 2511A		
	1/2 Circle Round Body		70 cm		DS 2341	DS 2342	
			90 cm		DS 2317	DS 2338	
	1/2 Circle Taper Cutting		45 cm				DS 2511

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				3-0(2)	2-0(3)	0(3.5)	1(4)
 30 mm	1/2 Circle Taper Cutting		20 cm			DS 2512AA	
			45 cm			DS 2512A	
	1/2 Circle Reverse Cutting		90 cm			DS 2535	
 36 mm	1/2 Circle Taper Cutting		90 cm	DS 2516		DS 2517 OB Needle	DS 2319
 36 mm OS Needle	1/2 Circle Reverse Cutting		90 cm			DS 2534	
 40 mm	1/2 Circle Round Body		45 cm			DS 2346S	
			90 cm		DS 2345	DS 2346	
			115 cm			DS 2346 +	
 40 mm	1/2 Circle Taper Cutting		90 cm			DS 2518	
			115 cm			DS 2518+	
 40 mm Heavy	1/2 Circle Taper Cutting		45 cm				DS 2364S
			90 cm				DS 2364
 40 mm OS	1/2 Circle Reverse Cutting		90 cm				DS 2421
 40 mm OB	1/2 Circle Taper Cutting		90 cm				DS 2519
			115 cm				DS 2519+
 40 mm Heavy	1/2 Circle Round Body		45cm				DS 2347S
			70 cm				DS 2359
			90 cm		DS 2357		DS 2347 DS 2347CT
			115 cm				DS 2347+

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				2-0(3)	0(3.5)	1(4)	2 (5)
 40 mm	1/2 Circle Reverse Cutting		45 cm	DS 2382S			
			90 cm	DS 2382	DS 2384	DS 2486	DS 2351
 40 mm 40 mm	1/2 Circle Taper Cutting and 1/2 Circle Round Body	 	140 cm		DS2346DA		
			160 cm		DS 2060		
			180 cm		DS 2080		
 40 mm Heavy 40 mm Heavy	1/2 Circle Taper Cutting and 1/2 Circle Round Body	 	140 cm			DS 2347 DA	
			160 cm			DS 2160	
			180 cm			DS 2180	
 40 mm Heavy 45 mm Heavy	1/2 Circle Taper Cutting and 1/2 Circle Round Body	 	180 cm			DS 2180HT	
 40 mm Heavy 50 mm Heavy	1/2 Circle Taper Cutting and 1/2 Circle Round Body	 	180 cm			DS 2280HT	
 45 mm Heavy	1/2 Circle Round Body		90 cm				DS 2228
			100 cm			DS 2347PB	
 50 mm Heavy	1/2 Circle Round Body		100 cm			DS 2448	
			115 cm			DS 2448+	

PRE-CUT SUTURES

SUTURE LENGTH	PACKING	SUTURE SIZE		
		2-0	0	1
1 x 150 cm	Polyglactin 910 in sterile foil over wrap pack 150 cms Box of 12's pack	DS 2203	DS 2204	DS 2205

SYNTHETIC ABSORBABLE SURGICAL SUTURES

PETCRYL 910 FAST

Polyglactin 910 Fast Sutures













Polyglactin 910 suture is most widely used braided and coated synthetic absorbable suture in the world. On account of its superior properties, this suture has replaced catgut sutures in most applications.

Virtues	:	Coated for smoother passage through tissues. Secured knot placement. Superb handling property. Higher tensile strength during initial implantation period. The suture retains approx 53% of the tensile strength after 7 days and 14% after 14 days when implanted in rat and the suture is essentially absorbed within 42 days. Reliable absorption in tissues by simple hydrolysis.
Material	:	Braided and coated synthetic absorbable surgical suture made from co-polymer of 90% Glycolide and 10% L-lactide, available in undyed and violet colour.
Tissue Reaction	:	Grade-1 Reactivity - Slight
Applications	:	General closure, Ophthalmic, Cardiovascular, Orthopaedics, Obstetrics/Gynaecology and Gastro-intestinal Tract Surgery.
Choice	:	Needled and pre-cut sterile sutures



PETCRYL 910 FAST

Polyglactin 910 Fast

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE	
				2-0(3)	0(3.5)
 36 mm	1/2 Circle Taper Cutting		70cm	DS 2762FS	
			90cm	DS 2762F	DS 2763F
 36 mm 36 mm	1/2 Circle Round Body and 1/2 Circle Reverse Cutting	 	150cm	DS 2777F	
 40 mm Heavy	1/2 Circle Taper Cutting		100cm		DS 2761F
 40 mm Heavy	1/2 Circle Round Body		100cm		DS 2710F
 40 mm 40 mm	1/2 Circle Round Body and 1/2 Circle Reverse Cutting	 	150cm	DS 2778F	

SYNTHETIC ABSORBABLE SURGICAL SUTURES

PETCRYL

Coated & Braided Polyglycolic Acid (PGA)

PGA is an ideal and time tested synthetic absorbable suture, widely used by surgeons all over the world. PGA's superior features over catgut are predictable absorption, outstanding tensile strength, in-vivo inertness and excellent handling properties.

Virtues

- 1) Petcryl retains its original tensile strength until the wound has achieved adequate stability. A comparison of "development of wound strength" vis-a-vis in vivo tensile strength of Petcryl establishes safety margin available during critical wound healing period.
The suture retains approx 82% of the tensile strength after 7 days, 74% after 14 days, 41% of tensile strength after 21 days & 5% after 28 days when implanted in rat and the suture is essentially absorbed within 60 – 90 days.
- 2) Petcryl is coated with non-toxic and bio-compatible material called Polycaprolactone and Calcium-stearate which facilitates smooth passage through tissues.
- 3) Petcryl is absorbed in the body by a simple hydrolytic mechanism which is predictable and reliable.

Material

: Coated Polyglycolic Acid. Available in U.S. FDA approved Violet colour.

Tissue Reaction

: Grade-1 Reactivity - Slight

Applications





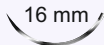







: General Closure, Ophthalmic, Orthopaedics, Obstetrics/Gynaecology & Gastrointestinal Tract Surgery.

Choice















: Needled and Pre-cut sterile sutures

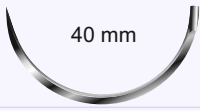

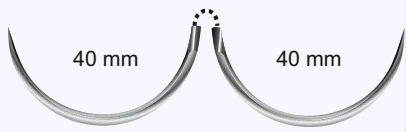





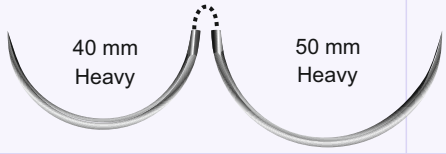










**PETCRYL
Polyglycolic Acid**

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				6-0(0.7)	5-0(1)	4-0(1.5)	3-0(2)
	1/4 Circle Micropoint Spatulated		45 cm	FS 2670			
	3/8 Circle Reverse Cutting		45 cm		FS 2493	FS 2494	FS 2495
	3/8 Circle Cutting		45 cm		FS 2442	FS 2443	FS 2471
	1/2 Circle Round Body		45 cm		FS 2303		
	1/2 Circle Taper Cutting		45 cm				FS 2515
	1/2 Circle Round Body		70 cm			FS 2304	FS 2437

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				3-0(2)	2-0(3)	0(3.5)	1(4)
	Straight Round Body (SRS needle)		45 cm				FS 2545
	3/8 Circle Cutting		45 cm	FS 2401			
	1/2 Circle Cutting		90 cm	FS 2472			
	1/2 Circle Reverse Cutting		70 cm				FS 2826E
	5/8 Circle Reverse Cutting		45 cm			FS 2510 AD	
	1/2 Circle Reverse Cutting		45 cm			FS 2510	
	3/8 Circle Reverse Cutting		76 cm Undyed	FS 2407U			
	3/8 Circle Cutting		90 cm		FS 2404		
			90 cm Undyed		FS 2404U		
	1/2 Circle Round Body		70 cm		FS 2341	FS 2342	
			90 cm		FS 2317	FS 2338	
	1/2 Circle Taper Cutting		45 cm				FS 2511
	1/2 Circle Taper Cutting		90 cm	FS 2516			

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE		
				2-0(3)	0(3.5)	1(4)
	1/2 Circle Reverse Cutting		90 cm		FS 2534	
	1/2 Circle Round Body		70 cm		FS 2546	
			90 cm	FS 2345	FS 2346	
			115 cm		FS 2346 +	
	1/2 Circle Round Body		70 cm			FS 2359
			90 cm			FS 2347
			115 cm			FS 2347+
	1/2 Circle Reverse Cutting		45 cm	FS 2382S		
			90 cm	FS 2382	FS 2384	FS 2486
	1/2 Circle Taper Cutting		45 cm		FS 2361	
			90 cm		FS 2518	
			115cm		FS 2518+	
	1/2 Circle Reverse Cutting		90 cm			FS 2421
	1/2 Circle Taper Cutting		70 cm			FS 2363
			90 cm			FS 2364

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE		
				0(3.5)	1(4)	2(5)
	1/2 Circle Reverse Cutting		90 cm			FS 2351
	1/2 Circle Taper Cutting and 1/2 Circle Round Body		140 cm	FS 2346 DA		
			160 cm	FS 2060		
			180 cm	FS 2080		
	1/2 Circle Taper Cutting and 1/2 Circle Round Body		140 cm		FS 2347 DA	
			160 cm		FS 2160	
			180 cm		FS 2180	
	1/2 Circle Taper Cutting and 1/2 Circle Round Body		180 cm		FS 2180HT	
	1/2 Circle Taper Cutting and 1/2 Circle Round Body				FS 2280HT	
	3/8 Circle Round Body		70 cm		FS 2326	
	1/2 Circle Round Body		90 cm			FS 2228
	1/2 Circle Reverse Cutting		90 cm		FS 2438	
	1/2 Circle Round Body		100 cm		FS 2448	
			115 cm		FS 2448+	

PRE-CUT SUTURES



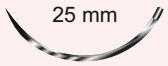



SUTURE LENGTH	PACKING	SUTURE SIZE		
		2-0	0	1
1 x 150 cm	PGA in sterile foil over wrap pack 150 cms Box of 12's pack	FS 2203	FS 2204	FS 2205

SYNTHETIC ABSORBABLE SURGICAL SUTURES

PETCRYL MONO Poliglecaprone 25 Sutures

PETCRYL Mono [Poliglecaprone 25] is a monofilament Synthetic Absorbable Suture which is a copolymer of glycolide and caprolactone. This is an improvised synthetic suture acclaimed by most surgeons.

- Virtues** : PETCRYL Mono is smooth, making it easier to pass through the tissues as compared to braided sutures. It has a consistency close to nylon suture material. PETCRYL Mono is absorbed in tissues by simple hydrolysis and is known for its reliable absorption. The suture retains approx 70% of the tensile strength at 7 days, 22% of tensile strength at 14 days, 7.31% tensile strength after 21 days. When implanted in rat and the suture is essentially absorbed within 91-119 days.
- Material** : Monofilament Synthetic Absorbable Suture which is a copolymer of glycolide and caprolactone, available in undyed and violet colour.
- Tissue Reaction** : Grade-1 Reactivity - Slight
- Applications** : Soft-tissue approximation, subcuticular dermis closures of the face and as ligature.
- Caution** : Avoid using in areas of high tension and also for percutaneous skin closure.

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE		
				4-0	3-0	2-0
16 mm 	3/8 Circle Reverse Cutting Prime Needle		70 cm Undyed	TS 1205		
25 mm 	3/8 Circle Cutting Prime Needle		45 cm Undyed		TS 1326S	
			70 cm Undyed		TS 1326	
26 mm 	1/2 Circle Round Body V.B. Needle		70 cm Undyed		TS 1664	TS 1665



PETCRYL MONO Poliglecaprone

ABSORBABLE SYNTHETIC SUTURE

DURACRYL MONOFILAMENT POLYDIOXANONE SUTURE

Polydioxanone suture provides wound support for longer period as compared to other synthetic absorbable sutures. This suture offers far superior tensile strength.

- Virtues** :
- Provides wound support for longer periods up to 50 days.
 - Polydioxanone suture offers far superior tensile strength and outstanding pliability.
 - Its monofilament structure provides excellent handling properties and good knot security.
 - The suture retains approximately 85% of the initial tensile strength within 14 days of implant, 74% of tensile strength after 28 days, 59% after 45 days and 30% after 60 days of implantation and the suture is essentially absorbed completely between 180 to 210 days.

- Material** :
- Polydioxanone suture is made from polymerizing para dioxanone monomer and made available in violet colour for easy identification during surgery.

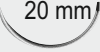



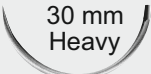

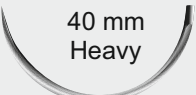

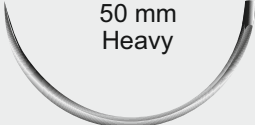

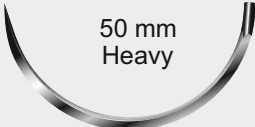

- Tissue Reaction** :
- Grade-1 Reactivity - Slight

- Applications** :
- Polydioxanone is an ideal suture for use in general orthopaedic surgery, gastro intestinal tract, sheath closure, paediatric cardiovascular surgery, sub cuticular and general surgery.



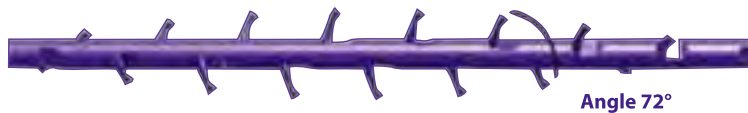
DURACRYL
Polydioxanone

ABSORBABLE SYNTHETIC SUTURE

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				3-0	2-0	0	1
 20 mm	1/2 Circle Round Body		70 cm	TS 9237			
 30 mm	1/2 Circle Round Body		45 cm		TS 9133S		
 30 mm Heavy	1/2 Circle Round Body		70 cm			TS 9254	
 40 mm Heavy	1/2 Circle Round Body		90 cm			TS 9371	TS 9248
			150 cm Loop			TS 9260	
 50 mm Heavy	1/2 Circle Round Body		150 cm Loop				TS 9262
 50 mm Heavy	1/2 Circle Reverse Cutting		90 cm				TS 9374

POLYDIOXANONE BARBED SUTURE, WOUND CLOSURE DEVICE

- Virtues** : Durabarb is a wound closure suture made up of polydioxanone that eliminates the need to tie knots, so the incisions can be closed upto up to 50% faster without compromising strength and security. Its dual-angle barbs allow suture to pass smoothly through tissue in one direction - but prevent it from slipping back through soft tissue. The barbs hold wound surfaces together and distribute tension along the entire length of the suture, without needing knots to secure the wound. Designed for secure, fast, and effective incision closure for the patients.
- Material** : Polydioxanone with needle/s.
- Tissue Reaction** : Grade-1 Reactivity - Slight
- Applications** : Oncology, Geriatric, Gynaecology, Cosmetic surgery, Urology, Vaginal cuff closure after hysterectomy, Uro-Gynaecology surgery, myomectomy, Laparoscopy, Gastrointestinal.
- Choice** : DURABARB UNI-DIRECTIONAL BARB SUTURE
 Uni-directional barb sutures are available with terminal loop on one end and a single atraumatic surgical needle attached on the other end. The barbs are placed at an angle of 72°; scientific studies have proved that hooks between angles between 65 – 75 degrees have the best grip on the substrate.



DURABARB BI-DIRECTIONAL BARB SUTURE











Bi-directional barb sutures are available without loop and twoatraumatic surgical needles attached on either ends.



Unique Features Of Durabarb :

- » Eliminates the risk of excess bleeding.
- » Better cosmetic results.
- » Wound closure is faster as the time is saved for knotting.
- » Wound closure is easy for the surgeons than conventional sutures.
- » Eliminates the risk of loss of haemoglobin and length of hospitalization hence enhancing patient comfort.
- » Reduction of perioperative complications.
- » Prevents leakage of gastric juices in esophagojejunostomies.
- » Eliminates the chance of suture knot breakage.
- » Eliminates the chance of slippage of knots.
- » Eliminates necrosis due to higher tension of placement of knot.
- » Eliminates inflammation which happens near a knot (Inflammation is positive related to the size of the knot).
- » Reduction of cost during operation.
- » Avoids the need of consistently monitoring the tension of the suture.

DURABARB SUTURE

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				3-0	2-0	0	1
 37 mm Heavy	1/2 Circle Taper Point		45 cm			DB 1045H	DB 0145H
			30 cm			DB 1030H	DB 0130H
 37 mm	1/2 Circle Taper Point		30 cm			DB 1030	
			15 cm			DB 1015	
 26 mm	1/2 Circle Taper Point		45 cm		DB 2045		
			30 cm	DB 3030	DB 2030		
			15 cm	DB 3015	DB 2015		
 37 mm Heavy 37 mm Heavy	1/2 Circle Taper Point		24 x 24 cm				DB 0124x24 H
			15 x 15 cm				DB 0115X15 H
 37 mm 37 mm	1/2 Circle Taper Point		24 x 24 cm			DB 1024x24	
			15 x 15 cm			DB 1015X15	



ABSORBABLE SURGICAL SUTURES

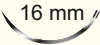

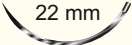

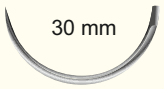

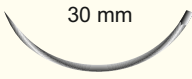

PROGUT

Catgut Sutures - Plain and Chromic

- Virtues** : Most widely used in the surgery. Good tensile strength. Excellent handling property & easy to knot, even in depth. Twisted multi-filament with virtually monofilament finish.
- Material** : Catgut, a natural absorbable suture is obtained by longitudinally slitting the intestinal submucosa of sheep and goat, twisting the ribbons and joining them in wet condition giving monofilament finish. Available in Plain (ivory colour) and Chromic in dark brown colour.
- Tissue Reaction** : Grade-1 Reactivity - Slight
- Applications** : General closure, Ophthalmic, Orthopaedics, Obstetrics/Gynaecology and Gastro-intestinal Tract Surgery.
- Choice** : Needled and Pre-Cut Sterile Sutures.
- Caution** : Avoid using where long term tissue approximation is needed. Absorption is faster in infected tissues.
- Absorption** : Absorption by enzymatic hydrolysis and starts losing tensile strength on implantation from 12-15 days for Catgut Plain and 18-21 days for Catgut Chromic











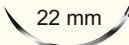



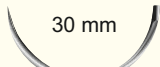

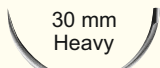

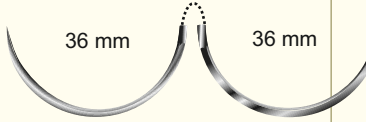


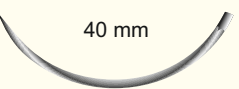





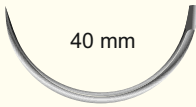





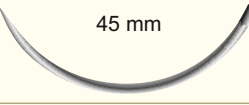

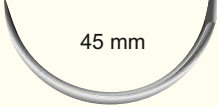








**PROGUT
Catgut Chromic**

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				4-0(2)	3-0(3)	2-0(3.5)	0(4)
 16 mm	3/8 Circle Cutting		76 cm	FS 4270			
 22 mm	3/8 Circle Cutting		76 cm		FS 5010		
 30 mm	1/2 Circle Round Body		76 cm				FS 4342
 30 mm	3/8 Circle Round Body		76 cm			FS 5033	

PRECUT SUTURES (NON NEEDLED)

SUTURE LENGTH	PACKING	SUTURE SIZE			
		2-0(3.5)	0(4)	1(5)	2(6)
1 x 152 cm	Catgut plain - in sterile foil over wrap pack 152 Cms. Box of 12's pack	FS 2003	FS 2004	FS 2005	FS 2006

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				4-0(2)	3-0(3)	2-0(3.5)	0(4)
12 mm 	1/2 Circle Reverse Cutting		76 cm		FS 4272		
16 mm 	3/8 Circle Round Body		76 cm	FS 5048			
16 mm 	3/8 Circle Cutting		76 cm	FS 4280	FS 4274		
20 mm Heavy 	1/2 Circle Round Body		30 cm				FS 4235
20 mm 	1/2 Circle Round Body		76 cm		FS 4237		
22 mm 	3/8 Circle Cutting		76 cm		FS 4201		
30 mm 	3/8 Circle Round Body		76 cm			FS 4216	FS 4217
30 mm 	1/2 Circle Round Body		76 cm			FS 4241	FS 4242
			152 cm				FS 2214+
30 mm Heavy 	1/2 Circle Round Body		76 cm				FS 4254
36 mm 	1/2 Circle Round Body and 1/2 Circle Reverse Cutting	 	152 cm			FS 4277	
40 mm 	3/8 Circle Round Body		76 cm			FS 4220	FS 4221
40 mm 	1/2 Circle Round Body		76 cm			FS 4245	FS 4246

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE		
				0(4)	1(5)	2(6)
 40 mm	1/2 Circle Round Body		152 cm		FS 2215+	
 40 mm Heavy	1/2 Circle Round Body		76 cm	FS 4258	FS 4259	
 40 mm Heavy	1/2 Circle Taper Cutting		100 cm	FS 4279	FS 4297	
 45 mm	3/8 Circle Round Body		76 cm	FS 4225	FS 4226	
 45 mm	1/2 Circle Round Body		152 cm			FS 2216+
 45 mm Heavy	1/2 Circle Round Body		76 cm		FS 4259HT	FS 4228S
					FS 4227S	
			100 cm	FS 4229	FS 4227	FS 4228
 45 mm	1/2 Circle Round Body and 1/2 Circle Reverse Cutting	 	152 cm	FS 4276	FS 4275	
 50 mm Heavy	1/2 Circle Round Body		100 cm		FS 4248	

PRECUT SUTURES (NON NEEDLED)

SUTURE LENGTH	PACKING	SUTURE SIZE				
		3-0(3)	2-0(3.5)	0(4)	1(5)	2(6)
1 x 152 cm	Catgut chromic - in sterile foil over wrap. pack 152 Cms. box of 12's pack	FS 2212	FS 2213	FS 2214	FS 2215	FS 2216 FS 2216S (100 cm)



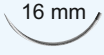

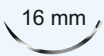








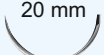



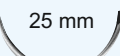



NONABSORBABLE SURGICAL SUTURES

DURACARE Monofilament Polypropylene

- Virtues** : Monofilament suture with excellent tensile strength and reasonable elasticity. Its pliable smooth surface makes it excellent for easy passage.
- Material** : Synthetic, Polypropylene Suture. Blue coloured for easy identification during surgery.
- Tissue Reaction** : Grade-1 Reactivity - Slight
- Applications** : General closure, Cardiovascular, Ophthalmic, Orthopaedic, Plastic and Micro
- Choice** : Loop, Needled and pre-cut sterile sutures
- Caution** : Avoid damage to the surface of suture.





**DURACARE
Polypropylene**





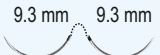



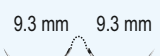





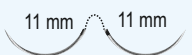


NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE				
				6-0(0.7)	5-0(1)	4-0(1.5)	3-0(2)	2-0(3)
 12 mm	3/8 Circle Reverse Cutting		45 cm	FS 878				
			70 cm		FS 880			
 16 mm	3/8 Circle Round Body		70 cm		FS 881			
 16 mm	3/8 Circle Cutting		70 cm			FS 870		
 16 mm	1/2 Circle Round Body		70 cm			FS 849		
 16 mm 16 mm	3/8 Circle Round Body and 3/8 Circle Reverse Cutting	 	70 cm		FS 882			
 17 mm 17 mm	1/2 Circle Taper Cutting		70 cm			FS 835		
 20 mm	1/2 Circle Round Body		70 cm				FS 887	
 22 mm	3/8 Circle Cutting		80 cm				FS 018	FS 017
 25 mm	1/2 Circle Round Body		90 cm				FS 825	
 25 mm 25 mm	1/2 Circle Round Body		70 cm				FS 822	

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE		
				2-0(3)	0(3.5)	1(4)
 25 mm	1/2 Circle Taper Cutting		70 cm	FS 807	FS 805	
 25 mm	1/2 Circle Taper Cutting		90 cm	FS 877		
 26 mm	1/2 Circle Round Body		90 cm		FS 824	
 30 mm	1/2 Circle Round Body		90 cm	FS 841	FS 842	
 30 mm Heavy	1/2 Circle Round Body		90 cm		FS 830	FS 840
 40 mm Heavy	1/2 Circle Round Body		100 cm			FS 843
 45 mm Heavy	1/2 Circle Reverse Cutting		100 cm			FS 883

CARDIOVASCULAR SUTURES

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE				
				6-0	5-0	4-0	3-0	2-0
	3/8 Circle Taper Point		60 cm	CV 8726				
			75 cm	CV 8707				
	3/8 Circle Taper Point CC		75 cm	CV 8706				
	1/2 Circle Taper Point		60 cm			CV 8204		
			90 cm		CV 8710			
	3/8 Circle Taper Point		90 cm		CV 8721			
	3/8 Circle Taper Point VB		75 cm	CV 8307				
	1/2 Circle Taper Cutting		70 cm			CV 899		
	1/2 Circle Taper Cutting		90 cm			CV 8935	CV 8936	CV 8937
	1/2 Circle Taper Point		90 cm		CV 8556	CV 8557		
	1/2 Circle Taper Cutting		90 cm		CV 8556TC			
	1/2 Circle Taper Point		90 cm		CV 8556SA			
	1/2 Circle Taper Point		75 cm		CV 892			
	1/2 Circle Round Body		70 cm				CV 822	
	1/2 Circle Taper Cutting		90 cm					CV 877
	1/2 Circle Taper Point		90 cm				CV 8522	
	1/2 Circle Round Body		90 cm				CV 825	

CARDIOVASCULAR SUTURES

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				8-0	7-0	6-0	5-0
	3/8 Circle Taper Point		60 cm	CV 2086			
	3/8 Circle Taper Point		60 cm	CV 2088	CV 2078		
	3/8 Circle Taper Point CC		75 cm	CV 8703		CV 8704	
	3/8 Circle Taper Point VB		75 cm	CV 8303	CV 8304	CV 8305	
	3/8 Circle Taper Point		75 cm		CV 8702	CV 8712	
	3/8 Circle Taper Point		60 cm	CV 2080		CV 8804	
	1/2 Circle Taper Point		60 cm				CV 8803
	3/8 Circle Taper Point 220 micron		75 cm			CV 8802	
	282 micron		75 cm			CV 8597	

NONABSORBABLE SURGICAL SUTURES

LINEX







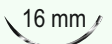



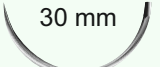

Monofilament Polyamide

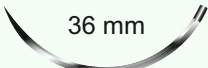

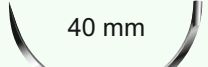

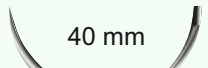

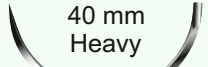

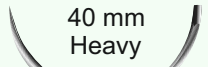

Virtues	:	Being monofilament, Linex is remarkably smooth and gives excellent knot security. Possesses good tensile strength. Easy removal with no tissue adherence.
Material	:	Polyamide 6 suture (Nylon). Blue/Black coloured for easy identification in the operating field.
Tissue Reaction	:	Grade-0 Reactivity - None
Applications	:	General closure, Skin and Plastic Surgery. Also used for Ophthalmic and Micro
Choice	:	Loop, Needled and pre-cut sterile sutures
Caution	:	Not recommended for attachment of artificial prostheses in Cardiovascular surgery.







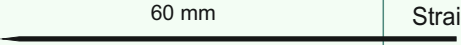





LINEX

Monofilament Polyamide

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE						
				10-0(0.2)	6-0(0.7)	5-0(1)	4-0(1.5)	3-0(2)	2-0(3)	
	3/8 Circle spatulated micro point		38 cm	FS 3719						
	3/8 Circle Reverse Cutting		70 cm		FS 3320					
	3/8 Circle Reverse Cutting		70 cm			FS 3317				
	3/8 Circle Cutting		35 cm			FS 3315				
			70 cm				FS 3318	FS 3321		
	3/8 Circle Reverse Cutting		35 cm						FS 3328S	FS 3329S
			70 cm						FS 3328M	FS 3329M
			100 cm						FS 3328	FS 3329
	1/2 Circle Round Body		100 cm							FS 3720

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE		
				2-0(3)	0(3.5)	1(4)
	3/8 Circle Cutting		100 cm	FS 3236	FS 3239	
	1/2 Circle Reverse Cutting		100 cm	FS 3335	FS 3337	
			45 cm	FS 3335S	FS 3337S	
	1/2 Circle Round Body		150 cm Loop		FS 3340	
	1/2 Circle Reverse Cutting		100 cm		FS 3339	
	1/2 Circle Round Body		100 cm		FS 3346	FS 3347

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE		
				2-0(3)	0(3.5)	1(4)
 <p>45 mm</p>	3/8 Circle Reverse Cutting		45 cm	FS 3336S		
			70 cm	FS 3336M		
			100 cm	FS 3336		FS 3334
 <p>45 mm Heavy</p>	1/2 Circle Reverse Cutting		45cm			FS 3338S
			100 cm			FS 3338
 <p>50 mm Heavy</p>	1/2 Circle Round Body		150 cm Loop			FS 3348
 <p>60 mm</p>	Straight Cutting		70 cm	FS 3390	FS 3389	
 <p>90 mm</p>	3/8 Circle Cutting		100 cm			FS 3397

PRE-CUT SUTURES

















SUTURE LENGTH	PACKING	SUTURE SIZE		
		2-0(3)	0(3.5)	1(4)
5 x 35 cm	Sterilised Monofilament in sterilised foil over wrap. 5 x 35 cm box of 12's pack	FS 703	FS 704	FS 705
2 x 76 cm	Sterilised Monofilament in sterilised foil over wrap. 2 x 76 cm box of 12's pack	FS 903	FS 904	FS 905















NONABSORBABLE SURGICAL SUTURES









SUTURA	Black Braided Silk
Virtues	: Most widely used. Excellent handling characteristics. Good knot security.
Material	: Entwined thread from silk worm larva. Treated with silicone to give strength and smooth surface.
Tissue Reaction	: Grade-0 Reactivity - None
Applications	: General closure, G. I. Tract, Plastic, Skin, Ophthalmic, Cardiovascular Surgeries. Widely used as ligature.
Choice	: Needled and pre-cut sterile sutures
Caution	: Avoid using in the presence of infection. Not used in biliary and urinary tract surgery.



SUTURA
Black Braided Silk

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				5-0(1)	4-0(1.5)	3-0(2)	2-0(3)
	3/8 Circle Reverse Cutting		76 cm	FS 5080			
	3/8 Circle Cutting		76 cm		FS 5001	FS 5002	
	3/8 Circle Round Body		76 cm	FS 5081	FS 5082		
	1/2 Circle Round Body		76 cm		FS 5049		
	1/2 Circle Round Body		76 cm		FS 5086	FS 5087	
	1/2 Circle Round Body		76 cm			FS 5070	
	1/2 Circle Taper Cutting		76 cm				FS 5670
	3/8 Circle Reverse Cutting		76 cm			FS 5028	FS 5029

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				2-0(3)	0(3.5)	1(4)	2(5)
	1/2 Circle Cutting		76 cm	FS 5072			
	1/2 Circle Cutting		76 cm		FS 5077		
	1/2 Circle Round Body		76 cm	FS 5333	FS 5334		
			90 cm	FS 5331			
	3/8 Circle Cutting		76 cm		FS 5360	FS 5361	FS 5362
	1/2 Circle Cutting		76 cm		FS 5064		
	1/2 Circle Reverse Cutting		76 cm	FS 5067	FS 5068	FS 5069	
	1/2 Circle Round Body		76 cm		FS 5075		FS 5073

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE		
				2-0(3)	0(3.5)	1(4)
 40 mm Heavy	1/2 Circle Round Body		90 cm			FS 5063
 45 mm	3/8 Circle Reverse Cutting		90 cm	FS 5036	FS 5037	
 50 mm	1/2 Circle Reverse Cutting		76 cm	FS 5052		
 60 mm	3/8 Circle Cutting		76 cm			FS 5062

PRECUT SUTURES (NON NEEDED)

SUTURE LENGTH	PACKING	SUTURE SIZE				
		3-0(2)	2-0(3)	0(3.5)	1(4)	2(5)
2 x 76 cm	Sterilised black braided silk in sterile foil over wrap. 2 x 76 cm box of 12's pack.	FS 212	FS 213	FS 214	FS 215	FS 216











SILK REELS

SUTURE LENGTH 25 METERS	PACKING	SUTURE SIZE				
		3-0(2)	2-0(3)	0(3.5)	1(4)	2(5)
6 Reels in a Box Non sterile	Surgical black braided 6 reels x 25 meters. (Non-sterile)	R 822	R 823	R 824	R 825	R 826

CARDIOVASCULAR SUTURES

PROCARE Polyester Sutures

- Virtues** : Good tensile strength for long time in tissue. Uniformly coated silicone Provides easy passage through tissues.
- Material** : Precisely braided polyester with silicone coating. Available in green and white colours.
- Tissue Reaction:** Grade-2 Reactivity - Mild
- Applications** : General closure, Cardiovascular, Plastic surgery, Orthopaedics, Ophthalmic and Skin surgery.
- Choice** : Sterile Needled suture





NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE		
				4-0	3-0	2-0
	1/2 Circle Taper Cutting - Green with PTFE Pledgets of 6mmx3mmx1.5mm		90 cm			PTS 6937
	1/2 Circle Taper Cutting - White with PTFE Pledgets of 6mmx3mmx1.5mm		90 cm			PTS 6917
	1/2 Circle Taper Cutting - Green		90 cm	TS 6935	TS 6936	TS 6937
	1/2 Circle Round Body - Green		90 cm		TS 623	
	1/2 Circle Round Body - Green		100 cm		TS 655	



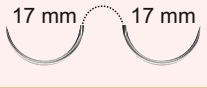



PROCARE
Polyester

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE			
				3-0 (2)	2-0 (3)	2 (5)	5(7)
	1/2 Circle Taper Cutting White with PTFE Pledgets of 6mmx3mmx1.5mm		90cm		PTS 6987		
	1/2 Circle Taper Cutting Green with PTFE Pledgets of 6mmx3mmx1.5mm		90 cm		PTS 6977		
	1/2 Circle Taper Cutting Green		90 cm		TS 6977		
	1/2 Circle Taper Point Green		100 cm	TS 6552			
	1/2 Circle Taper Cutting Heavy Green		100 cm			TS 4842	
	1/2 Circle T.car Point Heavy Green		100 cm				TS 4845

SUTURE BOOK

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE
				2-0 (3)
	1/2 Circle Taper Cutting SX 5 Green sutures - 5 Undyed (White)		75 cm	10B52
	1/2 Circle Taper Cutting SX 5 Green sutures - 5 Undyed (White)		75 cm	10B72

SUTURE BOOK WITH PLEDGETS

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE
				2-0 (3)
	1/2 Circle Taper Cutting SX Green sutures 5x75 cm - Undyed (White) 5x75cm with PTFE Pledgets 6mmx3mmx1.5mm		75 cm	10B55
	1/2 Circle Taper Cutting SX Green sutures 5x75 cm - Undyed (White) 5x75cm with PTFE Pledgets 6mmx3mmx1.5mm		75 cm	10B77

CARDIOVASCULAR SUTURES

STAINLESS STEEL SUTURES

Steel Sutures are manufactured from surgical grade 316 LVM grade stainless steel and are normally used as sternum wires for bone-fixing.





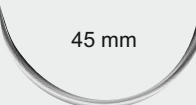



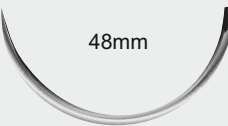

Virtues : Steel sutures are soft and are specially annealed to make them ductile to reduce chances of breakage. Surgical grade steel is used so that the suture remains inert and there is no tissue reaction

Material : Sutures are made from molybdenum alloyed vacuum re-melted stainless steel ideal for medical implants. Further steel sutures are bright, drawn and annealed and has a strength of 700 to 800 Mpa.

Tissue Reaction : Grade-1 Reactivity - Slight

Applications : Sternal closure, abdominal wound closure, hernia repair, cerclage and tendon repair.

Choice : Available from USP size 1 to size 7 with a variety of Blunt, Taper Cutting, Reverse Cutting and Conventional cutting needles

NEEDLE LENGTH	NEEDLE DESCRIPTION	CUT	SUTURE LENGTH	SUTURE SIZE				
				1 (4)	2 (5)	5 (7)	6 (8)	7 (9)
 40 mm	1/2 Circle Blunt Point Round Body		4 x 45 cm	SS 661	SS 662			
 40 mm	1/2 Circle Taper Cutting		4 x 45 cm	SS 660	SS 650			
 45 mm	1/2 Circle Blunt Point Round Body		4 x 45 cm			SS 651	SS 649	
			2 x 75 cm				SS 645	
 48mm	1/2 Circle Conventional Cutting		4 x 45 cm			SS 653	SS 654	SS 657
			2 x 75 cm			SS 646	SS 644	
 48mm	1/2 Circle Blunt Point Round Body		2 x 75 cm			SS 643		

WAXOCARE

Waxocare is a bone wax used to help mechanically control bleeding from bone surfaces during surgical procedures. It controls bleeding of bone by blocking the holes and causing immediate bone hemostasis.

Virtues : Bone wax is bio-chemically inert.

Material : Bone wax is a combination of beeswax, paraffin wax and iso- propyl-palmitate.
Sterilized by Gamma Radiation.

Tissue Reaction : Grade-0 Reactivity - None

Applications : General orthopedics, craniomaxillofacial and cardio-thoracic surgery for sternal closure.

Choice : Available in pack of 2.5 gm.



WAXOCARE Bone Wax

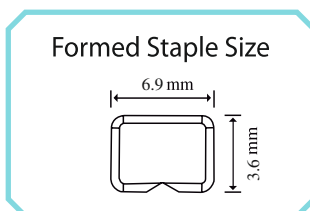
Duramate is a skin stapler used to staple the surface of the skin by forming surgically implantable staples. The stapleforms on the skin having a dimension of 3.6 mm x 6.9 mm and joins the laceration thus avoiding the need of skin sutures. The stapler comes with 35 preloaded staples. The product is manufactured with technical collaboration with U.S.A

Virtues : It is biochemically inert, excellent formation and smooth to operate. Autoclavable and reusable.

Material : Stainless steel and clear plastic so that the contaminants if any can be seen.

Tissue Reaction : Grade-0, Reactivity-None

Applications : Skin closure.



DISPOSABLE SKIN STAPLER

Dermamate is a skin stapler used to staple the surface of the skin by forming surgically implantable staples. The staple forms on the skin having a dimension of 4.0 mm x 6.4 mm and joins the laceration thus avoiding the need of skin sutures. The stapler comes with 35 preloaded staples.

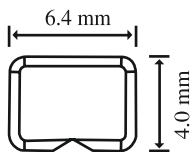
Virtues : It is biochemically inert, excellent formation and smooth to operate. Indicator to check the remaining staples, ergonomic design, uniform staple and pin formation.

Material : Stainless steel .

Tissue Reaction : Grade-0, Reactivity-None

Applications : Skin closure.

Formed Staple Size



PAPER TAPE

Dolphin Tapes are designed to have graded adhesive strength, skin friendly and ensure sufficient breathability. They are easy to use and perfect for Dolphin Tapes are all hypoallergenic and free from natural rubber latex to ensure patient and caregiver comfort.

- Virtues** : Tender to skin, Permeable, Hypoallergenic adhesive, Highly breathable to water and air, Sticks well on damp skin, Latex free.
- Material** : Non Woven Paper Tapes & Adhesive
- Tissue Reaction** : Grade-1 Reactivity - Slight
- Applications** : securing dressings, tubing, catheters, and other devices.
- Choice** : As per the available size below

AVAILABLE SIZE

SIZE	No. Of Rolls
1/2 inch x 9.1 meter / 5 meter	24
1 inch x 9.1 meter / 5 meter	12
2 inch x 9.1 meter / 5 meter	6
3 inch x 9.1 meter / 5 meter	4



MONOFILAMENT POLYPROPYLENE SURGICAL MESH

Virtues : Excellent tissue support, inert, available in different pore size, comfortable to the patient.

Material : Monofilament polypropylene.

Tissue Reaction : Grade-1 Reactivity - Slight

Applications : Weak tissue support, Hernia, repeated C section etc.

Choice : Rectangular and circle shapes. also available in customized shapes.

Caution : Avoid trimming the mesh with sharp objects.

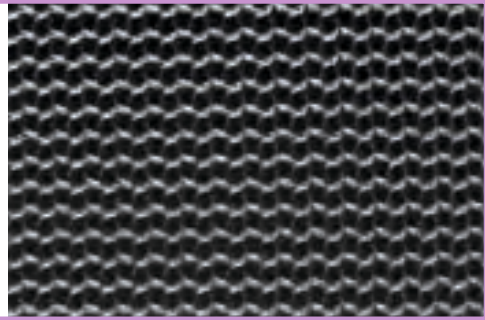
PARAMETERS	ULTRA SOFT	MACROPORE MESH	SOFT MESH
Thickness (mm)	0.350 - 0.450	0.270 – 0.300	0.400 - 0.500
Pore size longitudinal (mm)	0.460 - 0.480	1.100 – 1.700	0.680 - 0.710
Pore size latitudinal (mm)	0.730 - 0.750	1.700 – 2.500	1.150 -1.180
Bursting strength range (Kg/cm ²)	4.0 - 5.0	2.5 – 3.5	4.0 – 5.0
GSM	30 - 40	18 – 22	40 - 50

DOLPHIN MESH AVAILABLE SIZES

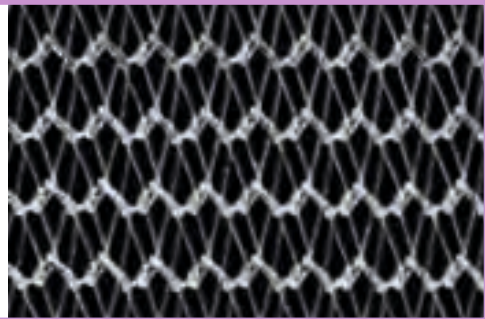
ULTRA SOFT MESH	MACROPORE MESH	SOFT MESH
US 0611	MP 0611	PMS 0610
US 0815	MP 0815	PMS 0611
US 1012	MP 1012	PMS 0815
US 1015	MP 1015	PMS 1012
US 1215	MP 1215	PMS 1015
US 1515	MP 1515	PMS 1020
US 3030	MP 3030	PMS 1515
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MONOFILAMENT POLYPROPYLENE SURGICAL MESH

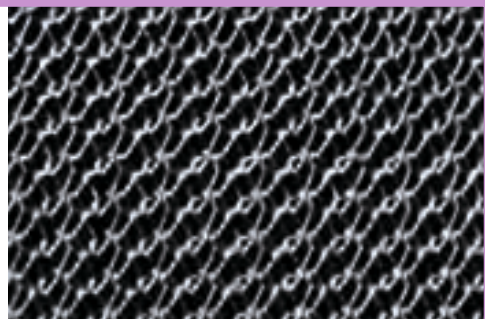
SOFT MESH



MACROPORE MESH

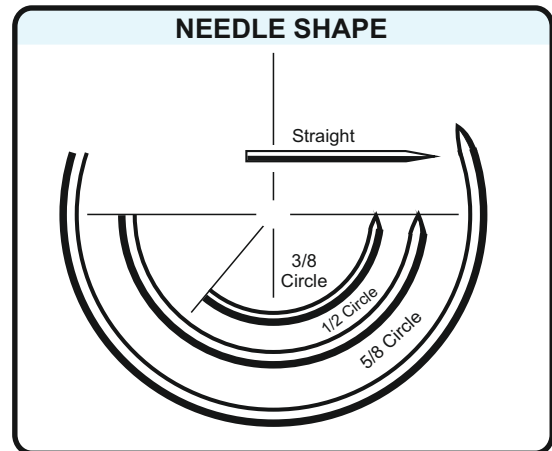
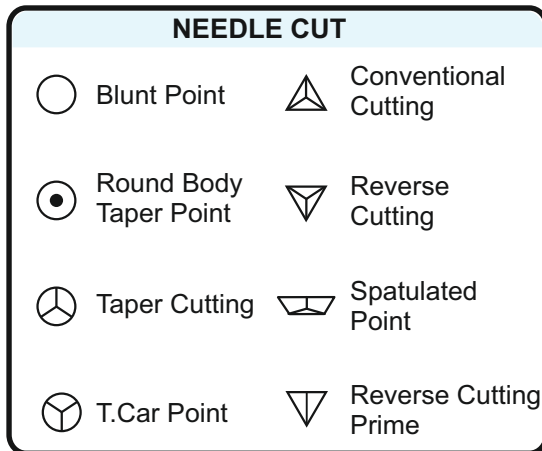


ULTRASOFT MESH



- Virtues** : Appropriate combination catered to specific type of surgeries. Cost effective, time saving.
Sterile and ready-to-use, with each suture/mesh packed in individually sterilized primary packs.
- Applications** : Orthopedic, Caesarian, Hernia, Oncology, Obstetrics, Laparoscopy, etc.
- Choice** : Available with and without mesh. Customized kits are also made.





NEEDLE/SUTURE ABBREVIATIONS & MEANINGS

OS	Orthopaedic surgery
CC	Calcified coronary
DA	Double needled suture
U	Undyed suture
VB	Black needle
F	Fast absorbing suture

SUTURE SIZE & DIAMETER

USP SIZE		DIAMETER LIMITS (IN mm)	METRIC SIZE
ABSORBABLE SUTURES (Catgut Chromic & Plain)	NON-ABSORBABLE & SYNTHETIC ABSORBABLE SUTURES		
-----	8-0	0.040 - 0.049	0.4
-----	7-0	0.050 - 0.069	0.5
-----	6-0	0.070 - 0.099	0.7
6-0	5-0	0.100 - 0.149	1
5-0	4-0	0.150 - 0.199	1.5
4-0	3-0	0.200 - 0.249	2
3-0	2-0	0.300 - 0.339	3
2-0	0	0.350 - 0.399	3.5
0	1	0.400 - 0.499	4
1	2	0.500 - 0.599	5
2	3 & 4	0.600 - 0.699	6
3	5	0.700 - 0.799	7

Lined area for notes.



PETCRYL 910
Polyglactin 910



PETCRYL PLUS
Polyglactin 910 Antibacterial



DURABARB
Polydioxanone barbed Suture



PETCRYL MONO
Poliglecaprone



PETCRYL
Polyglycolic Acid



PROGUT
Catgut Cromic



SUTURA
Black Braided Silk



DURACRYL
Polydioxanone



PROCARE
Polyester



LINEX
Monofilament Polyamide



DURACARE
Monofilament Polypropylene



WAXOCARE
Bone Wax

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