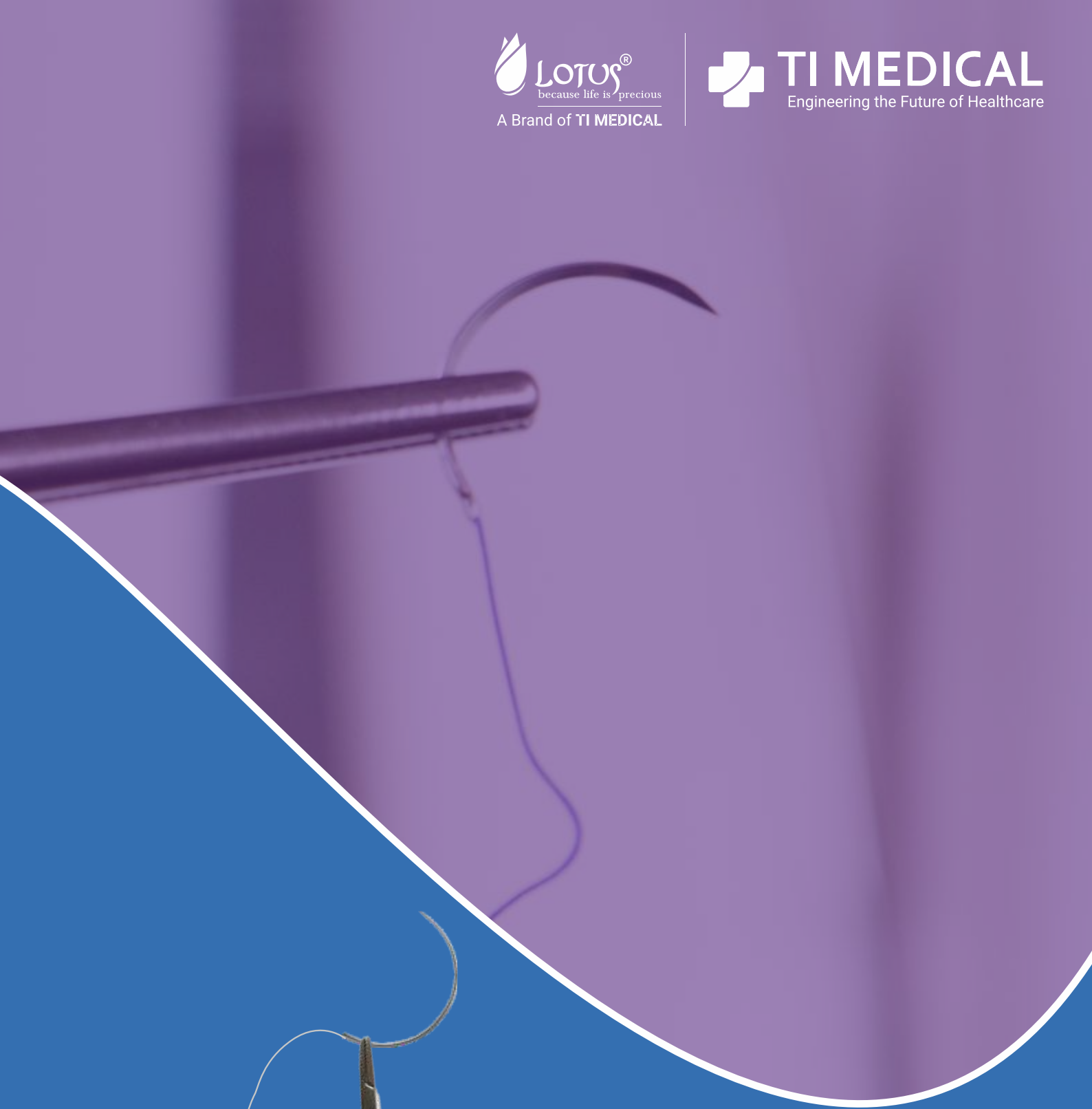
LOTUS®
because life is precious
A Brand of TI MEDICAL

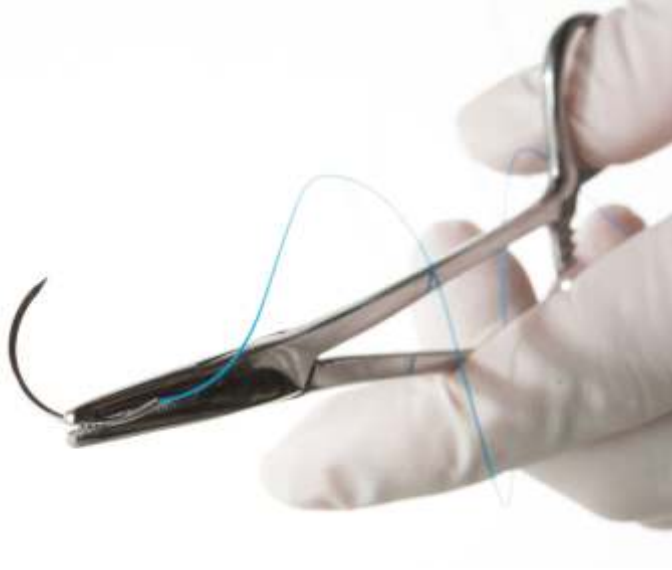
TI MEDICAL
Engineering the Future of Healthcare



PREMIUM
SUTURE RANGE

INTRODUCING

Lotus Premium Sutures



A perfect fusion of advanced technology and precision craftsmanship, engineered to deliver exceptional performance in every surgical procedure. Made from the finest quality steel, each suture features an ultra-sharp, precision-engineered needle designed to minimize tissue trauma and provide seamless penetration. With Lotus, experience a new standard in suturing excellence.

Advanced Needles

Superior-Grade Sutures

Improved Packaging

SPECIAL CHARACTERISTICS OF PREMIUM NEEDLES

Ultimate needle technology and performance with AISI 300 series.

Intelligent Geometry for sustained tissue penetration.

Narrower needles which reduce patient trauma and provide ease of use in fine vessel anastomosis

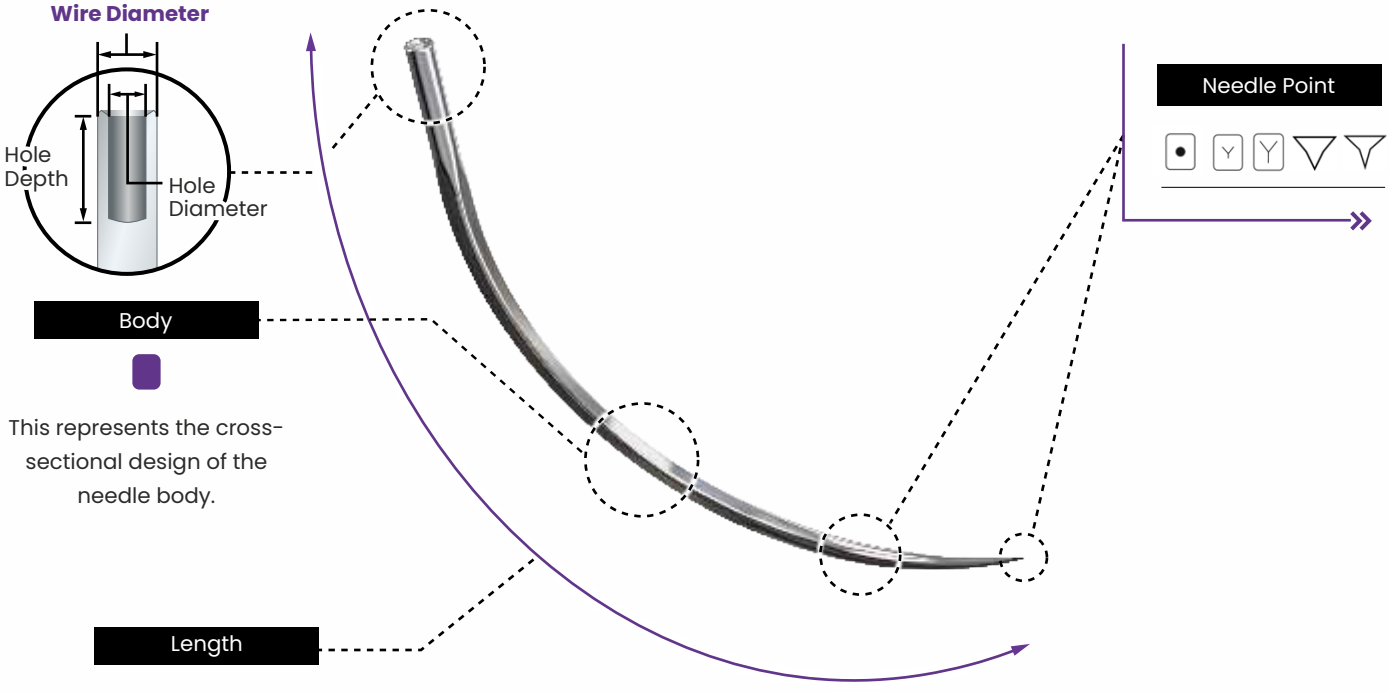
Longer cutting edge in the new improved needle for better tissue penetration

Exceptional bend resistance

Needle Type

TI Medical recognises that precision is essential in every surgical procedure. Our needle type is designed to offer a diverse range of specialised options, ensuring the right fit for various surgical needs. Each needle features a unique combination of tip design, shape, curvature, length, and diameter, crafted to provide optimal performance and reliability. Made from high-quality materials with advanced surface treatments, our needles ensure smooth handling, reduced tissue trauma, and enhanced control during procedures.

With a commitment to excellence and innovation, we deliver high-performance suturing solutions that empower surgeons and improve patient outcomes.



This represents the cross-sectional design of the needle body.

This measures the distance from the tip to the swage along the needle's curve.

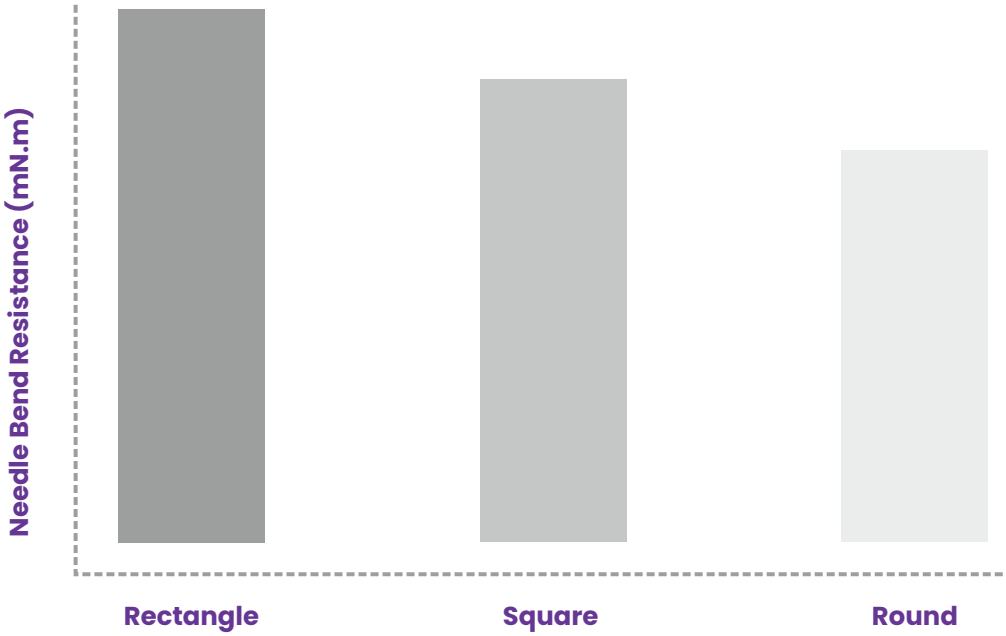
Needle Body Geometry

TI Medical offers a range of needle body shapes, each designed for strength, flexibility, and precise handling. Our needles are crafted to suit different tissue types, surgical techniques, and procedural needs, ensuring optimal performance in every bite. With varying levels of rigidity and flexibility, our needle bodies provide secure grip, smooth handling, and consistent results.

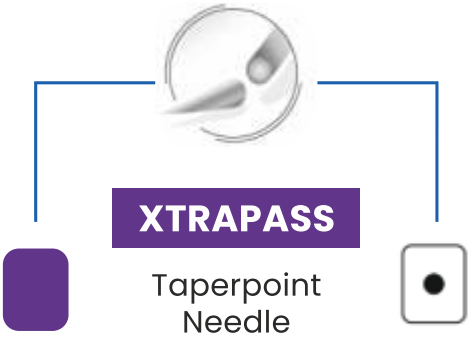
Needle Body Cross - Section

Rectangular Body:

Designed for maximum bending strength, these needle bodies provide exceptional stability and durability. Ideal for cardiovascular and other high-precision surgeries, they ensure enhanced safety and control, even in the most critical procedures.



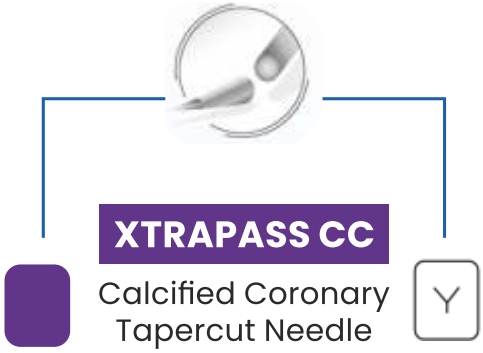
The bar chart indicates the bending strength of different body cross-sections. Needles with a rectangular body cross-section have the highest resistance to bending



XTRAPASS

Taperpoint Needle

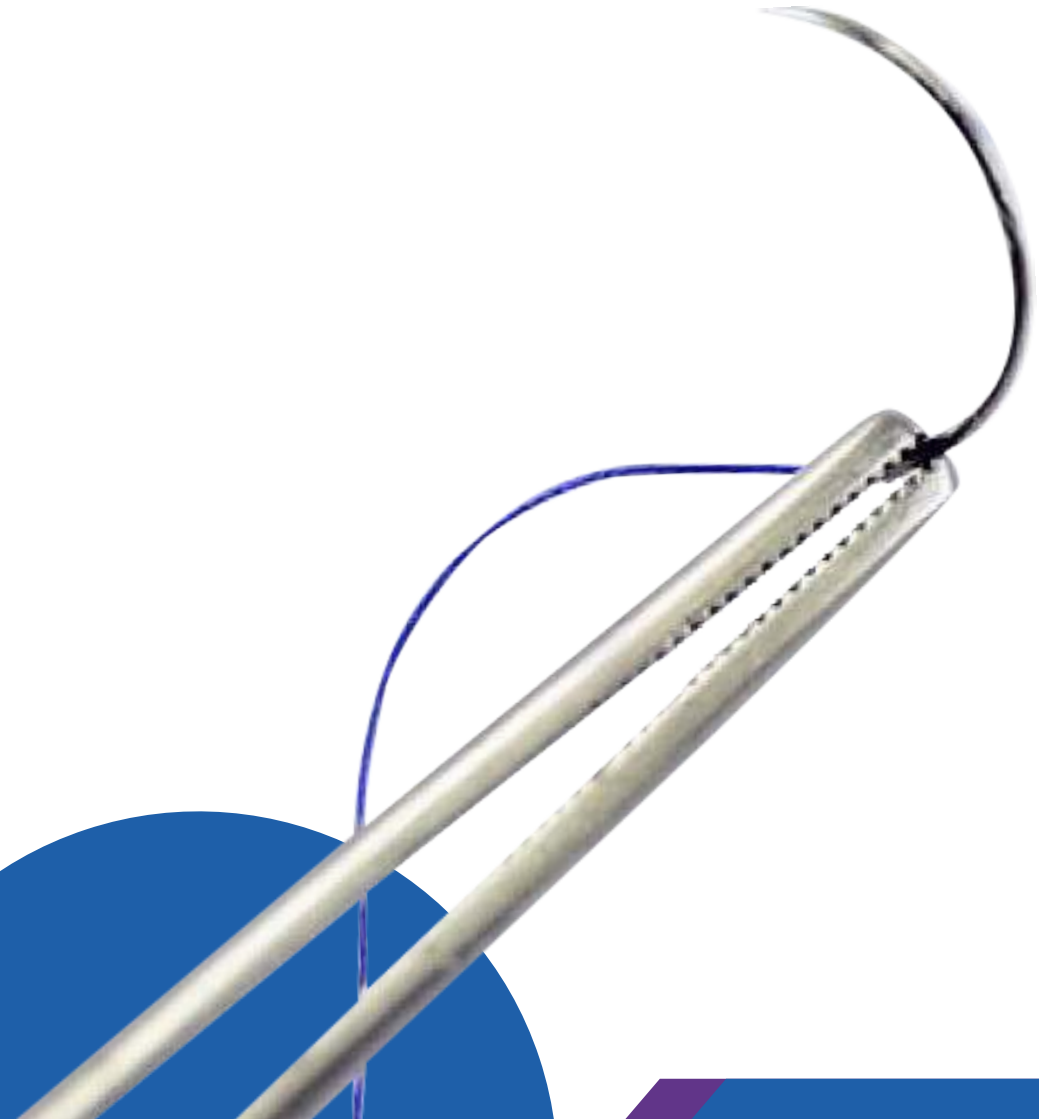
Taperpoint needle with a sharper and narrower needle tip for better penetration, recommended for high-risk procedures, especially cardiac surgery. The rectangular body cross-section provides higher bend resistance and stability.

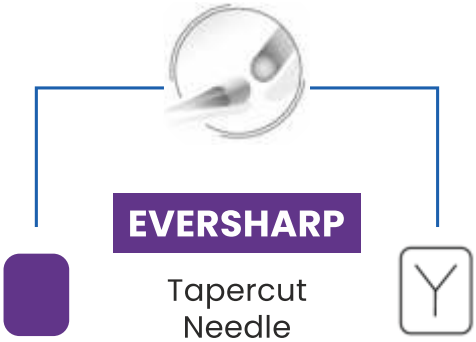


XTRAPASS CC

Calcified Coronary Tapercut Needle

Fine Tapercut needle for tough, hard-to-penetrate tissue viz calcified coronary arteries. The rectangular body cross-section provides higher bend resistance and stability

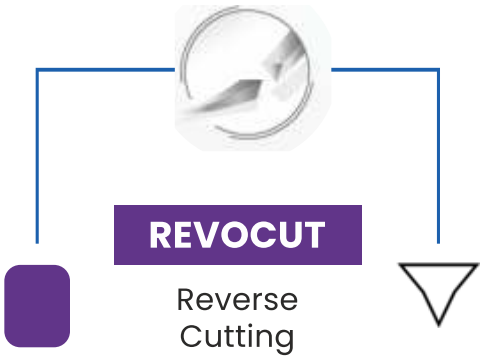




EVERSHARP

Tapercut Needle

Tapercut needle for tough, hard-to-penetrate tissue viz. periosteum, tendon, ligament, heart valves etc. The rectangular body cross-section provides higher bend resistance and stability



REVOCUT

Reverse Cutting

Reverse cutting needle with a rectangular body cross-section, offering higher bend resistance and stability

REVOCUT ULTRA

Precision Point Cutting

Reverse cutting needle, featuring a specially designed tip formed by concave surfaces for maximum sharpness. Recommended for cosmetic surgeries. The rectangular body cross-section provides higher bend resistance and stability

Advantages of
Superior-Grade Premium Sutures

1. **Antibacterial coating** *
2. **Better handling & pliability**
3. **Superior-quality material**
4. **Unmatched suturing experience for surgeons**
5. **Effortless knot tying**

Premium
Suture Packaging

Our **Premium Sutures range** features packaging designed for effortless suture removal, with minimal tangling and memory. This innovative design enhances handling during surgery, leading to improved surgical outcomes.

Reduced Suture Memory

Minimizes the tendency of sutures to coil back, ensuring better control and ease of use

Improved Handling

Enables smooth, tangle-free removal from the packaging for greater efficiency

Enhanced Usability

Streamlines surgical preparation, reducing setup time and minimizing handling errors

*applicable for select product codes

S.No	Product Name	Code Number	Suture Material	USP Size	Suture Colour	Suture Length	Needle Profile	Needle Length	Needle Symbol	Needle Symbol	Needle Point	Foil per Box
1	**PROLUS PREMIUM**	**PX2089**	Monofilament Polypropylene	8-0	Blue	60cm	3/8 Circle Taper Point Double Armed	9mm CA-180		XTRAPASS	Regular Long Pack	12 Foils
2	**PROLUS PREMIUM**	**PXL2089**	Monofilament Polypropylene	8-0	Blue	60cm	3/8 Circle Taper Point Double Armed	9mm CA-180		XTRAPASS	Regular Long Pack	12 Foils
3	**PROLUS PREMIUM**	**PXL2088B**	Monofilament Polypropylene	8-0	Blue	60cm	3/8 Circle Taper Point Double Armed	8mm 220 (Black Needle)		XTRAPASS	Regular Long Pack	12 Foils
4	**PROLUS PREMIUM**	**PX2088PV**	Monofilament Polypropylene	8-0	Blue	60cm	3/8 Circle Taper Point Double Armed	8mm PCA-200		XTRAPASS	Regular Long Pack	12 Foils
5	**PROLUS PREMIUM**	**PX2088L**	Monofilament Polypropylene	8-0	Blue	75cm	3/8 Circle Taper Point Double Armed	8mm CA-200		XTRAPASS	Regular Long Pack	12 Foils
6	**PROLUS PREMIUM**	**PXL2088**	Monofilament Polypropylene	8-0	Blue	60cm	3/8 Circle Taper Point Double Armed	8mm CA-200		XTRAPASS	Regular Long Pack	12 Foils
7	**PROLUS PREMIUM**	**PX2088**	Monofilament Polypropylene	8-0	Blue	60cm	3/8 Circle Taper Point Double Armed	8mm CA-200		XTRAPASS	Regular Long Pack	12 Foils
8	**PROLUS PREMIUM**	**PXL8732**	Monofilament Polypropylene	8-0	Blue	60cm	3/8 Circle Taper Point Double Armed	6.5mm CA-160		XTRAPASS	Regular Long Pack	12 Foils
9	**PROLUS PREMIUM**	**PX8732**	Monofilament Polypropylene	8-0	Blue	60cm	3/8 Circle Taper Point Double Armed	6.5mm CA-160		XTRAPASS	Regular Long Pack	12 Foils
10	**PROLUS PREMIUM**	**PX2086F**	Monofilament Polypropylene	8-0	Blue	60cm	3/8 Circle Taper Point Double Armed	6mm CA-160		XTRAPASS	Regular Long Pack	12 Foils
11	**PROLUS PREMIUM**	**PXL2086F**	Monofilament Polypropylene	8-0	Blue	60cm	3/8 Circle Taper Point Double Armed	6mm CA-160		XTRAPASS	Regular Long Pack	12 Foils
12	**PROLUS PREMIUM**	**PX2070**	Monofilament Polypropylene	7-0	Blue	60cm	3/8 Circle Taper Point Double Armed	10mm CA-200		XTRAPASS	Regular Long Pack	12 Foils
13	**PROLUS PREMIUM**	**PX8704CC**	Monofilament Polypropylene	7-0	Blue	60cm	3/8 Circle Multipass Double Armed	9.3mm CA-220		XtraPass CC NEEDLE	Regular Long Pack	12 Foils
14	**PROLUS PREMIUM**	**PX8702**	Monofilament Polypropylene	7-0	Blue	60cm	3/8 Circle Taper Point Double Armed	9.3mm CA-200		XTRAPASS	Regular Long Pack	12 Foils
15	**PROLUS PREMIUM**	**PX8704**	Monofilament Polypropylene	7-0	Blue	60cm	3/8 Circle Taper Point Double Armed	9.3mm CA-200		XTRAPASS	Regular Long Pack	12 Foils

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16	**PROLUS PREMIUM**	**PX2079B**	Monofilament Polypropylene	7-0	Blue	60cm	3/8 Circle Taper Point Double Armed	9mm CA-220 (Black Needle)		XTRAPASS	Regular Long Pack	12 Foils
17	**PROLUS PREMIUM**	**PX8121B**	Monofilament Polypropylene	7-0	Blue	60cm	Bi-Curve CC Taper Point Double Armed	9mm CA-200 (Black Needle)		XTRAPASS	Regular Long Pack	12 Foils
18	**PROLUS PREMIUM**	**PX2079**	Monofilament Polypropylene	7-0	Blue	60cm	3/8 Circle Taper Point Double Armed	9mm CA-200		XTRAPASS	Regular Long Pack	12 Foils
19	**PROLUS PREMIUM**	**PX2079L**	Monofilament Polypropylene	7-0	Blue	75cm	3/8 Circle Taper Point Double Armed	9mm CA-200		XTRAPASS	Regular Long Pack	12 Foils
20	**PROLUS PREMIUM**	**PX2079PV**	Monofilament Polypropylene	7-0	Blue	60cm	3/8 Circle Taper Point Double Armed	9mm CA-200		XTRAPASS	Regular Long Pack	12 Foils
21	**PROLUS PREMIUM**	**PX2078B**	Monofilament Polypropylene	7-0	Blue	60cm	3/8 Circle Taper Point Double Armed	8mm CA-220 (Black Needle)		XTRAPASS	Regular Long Pack	12 Foils
22	**PROLUS PREMIUM**	**PX2078BL**	Monofilament Polypropylene	7-0	Blue	75cm	3/8 Circle Taper Cut Double Armed	8mm CA-220 (Black Needle)		XTRAPASS	Regular Long Pack	12 Foils
23	**PROLUS PREMIUM**	**PX2078PV**	Monofilament Polypropylene	7-0	Blue	60cm	3/8 Circle Taper Point Double Armed	8mm PCA-200		XTRAPASS	Regular Long Pack	12 Foils
24	**PROLUS PREMIUM**	**PX2078CC**	Monofilament Polypropylene	7-0	Blue	60cm	3/8 Circle Taper Cut Double Armed	8mm CCA-200		XtraPass CC NEEDLE	Regular Long Pack	12 Foils
25	**PROLUS PREMIUM**	**PX2078**	Monofilament Polypropylene	7-0	Blue	60cm	3/8 Circle Taper Point Double Armed	8mm CA-200		XTRAPASS	Regular Long Pack	12 Foils
26	**PROLUS PREMIUM**	**PX2078L**	Monofilament Polypropylene	7-0	Blue	75cm	3/8 Circle Taper Point Double Armed	8mm CA-200		XTRAPASS	Regular Long Pack	12 Foils
27	**PROLUS PREMIUM**	**PX8735**	Monofilament Polypropylene	7-0	Blue	60cm	3/8 Circle Taper Point Double Armed	7.6mm CA-180		XTRAPASS	Regular Long Pack	12 Foils
28	**PROLUS PREMIUM**	**PX2076**	Monofilament Polypropylene	7-0	Blue	60cm	3/8 Circle Taper Point Double Armed	6mm CA-180		XTRAPASS	Regular Long Pack	12 Foils
29	**PROLUS PREMIUM**	**PX8206P-X3TP**	Monofilament Polypropylene	6-0	Blue	60cm	1/2 Circle Multipass Double Armed	13 mm LTF 330		XTRAPASS	Regular Long Pack	12 Foils

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30	**PROLUS PREMIUM**	**PX8206**	Monofilament Polypropylene	6-0	Blue	60cm	1/2 Circle Taper Point Double Armed	13mm LTF 330		XTRAPASS	Regular Long Pack	12 Foils
31	**PROLUS PREMIUM**	**PX8725**	Monofilament Polypropylene	6-0	Blue	75cm	3/8 Circle Taper Point Double Armed	13mm AA-280		XTRAPASS	Regular Long Pack	12 Foils
32	**PROLUS PREMIUM**	**PX8725T**	Monofilament Polypropylene	6-0	Blue	75cm	3/8 Circle Taper Point Double Armed	13mm AA-280		XTRAPASS	Regular Long Pack	12 Foils
33	**PROLUS PREMIUM**	**PX8726**	Monofilament Polypropylene	6-0	Blue	60cm	3/8 Circle Taper Point Double Armed	13mm AA-280		XTRAPASS	Regular Long Pack	12 Foils
34	**PROLUS PREMIUM**	**PX8726T**	Monofilament Polypropylene	6-0	Blue	60cm	3/8 Circle Taper Point Double Armed	13mm AA-280		XTRAPASS	Regular Long Pack	12 Foils
35	**PROLUS PREMIUM**	**PX8707**	Monofilament Polypropylene	6-0	Blue	60cm	3/8 Circle Taper Point Double Armed	13mm AA-280		XTRAPASS	Regular Long Pack	12 Foils
36	**PROLUS PREMIUM**	**PX8723**	Monofilament Polypropylene	6-0	Blue	90cm	3/8 Circle Taper Point Double Armed	13mm AA-280		XTRAPASS	Regular Long Pack	12 Foils
37	**PROLUS PREMIUM**	**PX8718**	Monofilament Polypropylene	6-0	Blue	60cm	3/8 Circle Taper Point Double Armed	13mm AA-280		XTRAPASS	Regular Long Pack	12 Foils
38	**PROLUS PREMIUM**	**PX8597**	Monofilament Polypropylene	6-0	Blue	60cm	3/8 Circle Taper Point Double Armed	11mm LTF 330		XTRAPASS	Regular Long Pack	12 Foils
39	**PROLUS PREMIUM**	**PX8207**	Monofilament Polypropylene	6-0	Blue	60cm	1/2 Circle Taper Point Double Armed	10mm LTF 330		XTRAPASS	Regular Long Pack	12 Foils
40	**PROLUS PREMIUM**	**PX8207P-X3TP**	Monofilament Polypropylene	6-0	Blue	60cm	1/2 Circle Taper Point Double Armed Pledget 3mm x 3mm x 0.5mm	10mm LTF 330		XTRAPASS	Regular Long Pack	12 Foils
41	**PROLUS PREMIUM**	**PX8804**	Monofilament Polypropylene	6-0	Blue	60cm	3/8 Circle Taper Point Double Armed	10mm AA-280		XTRAPASS	Regular Long Pack	12 Foils
42	**PROLUS PREMIUM**	**PX8709**	Monofilament Polypropylene	6-0	Blue	60cm	3/8 Circle Taper Point Double Armed	9mm CA-240		XTRAPASS	Regular Long Pack	12 Foils
43	**PROLUS PREMIUM**	**PX8709L**	Monofilament Polypropylene	6-0	Blue	75cm	3/8 Circle Taper Point Double Armed	9mm CA-240		XTRAPASS	Regular Long Pack	12 Foils
44	**PROLUS PREMIUM**	**PX8556**	Monofilament Polypropylene	5-0	Blue	90cm	1/2 Circle Taper Point Double Armed	16mm LTF 380		XTRAPASS	Regular Long Pack	12 Foils
45	**PROLUS PREMIUM**	**PX8721**	Monofilament Polypropylene	5-0	Blue	75cm	3/8 Circle XtraPass CC NEEDLE	13mm LTF 380		XtraPass CC NEEDLE	Regular Long Pack	12 Foils

S.No.	Product Name	Code Number	Suture Material	USP Size	Suture Colour	Suture Length	Needle Profile	Needle Length	Needle Symbol	Needle Symbol	Needle Point	Foil per Box
46	**PROLUS PREMIUM**	**PX8845**	Monofilament Polypropylene	4-0	Blue	90cm	1/2 Circle XtraPass CC NEEDLE	25mm 540		XtraPass CC NEEDLE	Regular Long Pack	12 Foils
47	**PROLUS PREMIUM**	**PX8935**	Monofilament Polypropylene	4-0	Blue	90cm	1/2 Circle Taper Cut Double Armed	17.5mm 430		EVERSHARP NEEDLE	Regular Long Pack	12 Foils
48	**MONOLUS PREMIUM**	**PX1205**	Monofilament Poly(Glycolide -Co-Caprolactone)	4-0	Undyed	70cm	3/8 Circle Reverse Cutting	16mm		REVOCUT ULTRA	Race Track Pack	12 Foils
49	**MONOLUS PREMIUM**	**PX3326M**	Monofilament Poly(Glycolide -Co-Caprolactone)	3-0	Undyed	70cm	3/8 Circle Reverse Cutting	25mm		REVOCUT ULTRA	Race Track Pack	12 Foils
50	**MONOLUS PREMIUM**	**PX1326**	Monofilament Poly(Glycolide -Co-Caprolactone)	3-0	Undyed	70cm	3/8 Circle Cutting	25mm		REVOCUT ULTRA	Race Track Pack	12 Foils
51	**SOLUS-910AM+ PREMIUM**	**Px2437-910+**	Braided Coated Poly(Glycolide-Co -L-Lactide)/ Polyglactin-910 with Antibacterial Coating of Triclosan	3-0	Violet	90cm	1/2 Circle Taper Point	20mm		XTRAPASS	Race Track Pack	12 Foils
52	**SOLUS-910AM+ PREMIUM**	**Px2382-910+**	Braided Coated Poly(Glycolide-Co -L-Lactide)/ Polyglactin-910 with Antibacterial Coating of Triclosan	2-0	Violet	90cm	1/2 Circle Reverse Cutting	40 mm		REVOCUT	Race Track Pack	12 Foils
53	**SOLUS-910AM+ PREMIUM**	**Px945-910+**	Braided Coated Poly(Glycolide-Co -L-Lactide)/ Polyglactin-910 with Antibacterial Coating of Triclosan	2-0	Undyed	90cm	1/2 Circle Taper Point	36mm		XTRAPASS	Race Track Pack	12 Foils
54	**SOLUS-910AM+ PREMIUM**	**Px2317-910+**	Braided Coated Poly(Glycolide-Co -L-Lactide)/ Polyglactin-910 with Antibacterial Coating of Triclosan	2-0	Violet	90cm	1/2 Circle Taper Point	30mm		XTRAPASS	Race Track Pack	12 Foils
55	**SOLUS-910AM+ PREMIUM**	**Px2347 VS-910+**	Braided Coated Poly(Glycolide-Co -L-Lactide)/ Polyglactin-910 with Antibacterial Coating of Triclosan	1	Violet	110 cm	1/2 Circle Taper Point,Heavy	40mm		XTRAPASS	Race Track Pack	12 Foils
56	**SOLUS-910AM+ PREMIUM**	**Px2360-910+**	Braided Coated Poly(Glycolide-Co -L-Lactide)/ Polyglactin-910 with Antibacterial Coating of Triclosan	1	Violet	90cm	1/2 Circle Taper Point, G.S needle	40mm		XTRAPASS	Race Track Pack	12 Foils
57	**SOLUS-910AM+ PREMIUM**	**Px2347-910+**	Braided Coated Poly(Glycolide-Co -L-Lactide)/ Polyglactin-910 with Antibacterial Coating of Triclosan	1	Violet	90cm	1/2 Circle Taper Point, Heavy	40mm		XTRAPASS	Race Track Pack	12 Foils

S.No.	Product Name	Code Number	Suture Material	USP Size	Suture Colour	Suture Length	Needle Profile	Needle Length	Needle Symbol	Needle Symbol	Needle Point	Foil per Box
58	**SOLUS-910AM+ PREMIUM**	**Px2421-910+**	Braided Coated Poly(Glycolide-Co-L-Lactide)/ Polyglactin-910 with Antibacterial Coating of Triclosan	1	Violet	90cm	1/2 Circle Reverse Cutting,Heavy	40mm		REVOCUT	Race Track Pack	12 Foils
59	**SOLUS-910AM+ PREMIUM**	**Px2346-910+**	Braided Coated Poly(Glycolide-Co-L-Lactide)/ Polyglactin-910 with Antibacterial Coating of Triclosan	0	Violet	90cm	1/2 Circle Taper Point	40mm		XTRAPASS	Race Track Pack	12 Foils
60	**MASS PREMIUM**	**PX9237**	Poly (P-Dioxanone) Monofilament	3-0	Violet	70cm	1/2 Circle Taper Point	20mm		XTRAPASS	Race Track Pack	12 Foils
61	**MASS PREMIUM**	**PX9133**	Poly (P-Dioxanone) Monofilament	2-0	Violet	70cm	1/2 Circle Taper Point	31mm		XTRAPASS	Race Track Pack	12 Foils
62	**NYLUS PREMIUM**	**PX3336**	Monofilament Polyamide	2-0	Black	70 cm	3/8 Circle Reverse Cutting	45mm		REVOCUT	Race Track Pack	12 Foils

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A Brand of **TI MEDICAL**

TI MEDICAL
Engineering the Future of Healthcare

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BEST HEALTHCARE BRANDS 2025

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