



STRATAFIX™

Antibacterial

Barbed Sutures

Portfolio Product Catalog

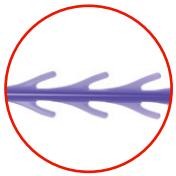
STRATAFIX™ Antibacterial Barbed Sutures

A versatile portfolio to meet your wound closure needs

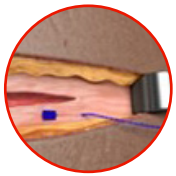
With significantly more points of fixation than traditional sutures, STRATAFIX™ antibacterial barbed sutures allowed for more consistent tension control over every pass and combined the strength* and security‡ of interrupted closure with the speed† of continuous closure.^{1-5‡}

STRATAFIX™ Symmetric PDS™ Plus antibacterial barbed sutures

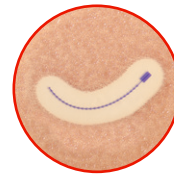
The **only** barbed suture appropriate for fascia^{1,6** ‡}



Pressed **symmetrical anchors** maintain the core of the device¹



Symmetric PDS™ Plus antibacterial barbed sutures demonstrated superior tissue holding strength compared to interrupted technique with Coated VICRYL™ (polyglactin 910) Suture, continuous technique with PDS™ II (polydioxanone) Suture, and Medtronic V-Loc™ 180 Wound Closure Device^{1§††}



Triclosan has in vitro activity that inhibits bacterial colonization of the suture. For illustration purposes only.[#]

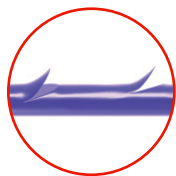
Symmetric PDS™ Plus Device has shown to inhibit bacterial colonization of the suture.

- 11 days for E. coli and 23 days for S. aureus (in vitro)^{7##‡}

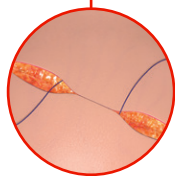
STRATAFIX™ Spiral Plus antibacterial barbed sutures

The barb design of STRATAFIX™ Spiral unidirectional and bidirectional allowed for smooth tissue passage and secure hold.^{4,8-11‡}

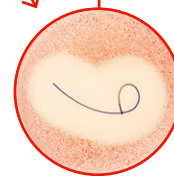
Plus Antibacterial Technology available for all absorbable unidirectional and bidirectional codes



Anchors formed within the core of the device in a **spiral pattern**¹¹



Bidirectional design allows for management of tension from the middle¹²



Triclosan has in vitro activity that inhibits bacterial colonization of the suture. For illustration purposes only.[#]

Unidirectional design has adjustable loop on the end^{13,14}

*Refers to STRATAFIX™ Symmetric PDS™ Plus Knotless Tissue Control Device only. Benchtop assessment using porcine fascia, greater maximum tissue holding strength compared to Looped PDS™ or VICRYL™ interrupted closures (p<0.05). ‡Benchtop testing in porcine tissue. Security refers to the ability to maintain optimal tissue approximation when damage to the closure device occurs. †Comparing STRATAFIX™ symmetric polydioxanone Plus to interrupted closure (p < 0.001); and STRATAFIX™ Spiral to VICRYL™ (first layer continuous closure, second layer interrupted closure, p<0.001) ‡Based on benchtop testing and clinical effect is unknown **Refers to STRATAFIX™ Symmetric PDS™ Plus Knotless Tissue Control Device only. §Based on pre-clinical testing on animal models and clinical effect is unknown. ††Superior to VICRYL™ and PDS™ in fascia (p<0.009). Superior to V-Loc in subcutaneous tissue (p<0.002). # Petri dish disclaimer ‡‡Studies refer to a barbed suture which is similar in design to STRATAFIX™ Spiral

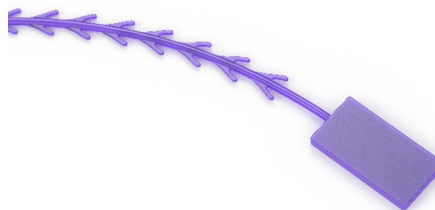
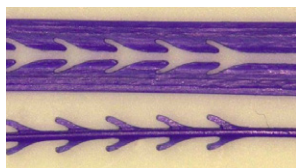
STRATAFIX™ antibacterial barbed sutures are paired with superior Johnson & Johnson needles^{15,16}

Needle/Trocar Compatibility

Ethicon Needle		Curvature	Length (mm)	Johnson & Johnson MedTech Trocar Diameter (mm)					AirSeal® Trocar Diameter (mm)		
				5	8	11	12	15	5	8	12
RB-1		1/2	17	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SH-1		1/2	22	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CT-3		1/2	22	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UR-6		5/8	26	No	No	Yes	Yes	Yes	No	No	Yes
SH		1/2	26	No	Yes	Yes	Yes	Yes	No	Yes	Yes
CT-2		1/2	26	No	Yes	Yes	Yes	Yes	No	Yes	Yes
V-7		1/2	26	No	Yes	Yes	Yes	Yes	No	Yes	Yes
V-34		1/2	36	No	No	No	Yes	Yes	No	No	Yes
CT-1		1/2	36	No	No	No	Yes	Yes	No	No	Yes
MO-4		1/2	36	No	No	No	Yes	Yes	No	No	Yes
CT		1/2	40	No	No	No	Yes	Yes	No	No	Yes

STRATAFIX™ Symmetric PDS™ Plus antibacterial barbed sutures - Unidirectional:

- Designed to address a known risk factor for SSIs.^{17,18*}
- STRATAFIX™: the only barbed suture appropriate for fascia^{1,6*†}
- Demonstrated superior tissue holding strength¹⁸



Needle		Length		4-0	3-0	2-0	0	1
		(in)	(cm)					
Taper Point 								
17 mm, 1/2 Circle Taper Point, RB-1		6	15	SXPP1A411				
		12	30	SXPP1A427				
22 mm, 1/2 Circle Taper Point, SH-1		12	30	SXPP1A430				
26 mm, 1/2 Circle Taper Point, SH		6	15	SXPP1A413	SXPP1A414			
		9	23		SXPP1A421			
		12	30	SXPP1A428	SXPP1A431			
		18	45	SXPP1A410	SXPP1A409			
26 mm, 1/2 Circle Taper Point, CT-2		6	15					SXPP1A419
		9	23			SXPP1A422	SXPP1A446	
		18	45			SXPP1A408	SXPP1A407	
36 mm, 1/2 Circle Taper Point, CT-1		6	15			SXPP1A416	SXPP1A418	SXPP1A420
		9	23			SXPP1A423	SXPP1A425	
		12	30	SXPP1A429	SXPP1A432	SXPP1A433	SXPP1A435	
		18	45	SXPP1A438	SXPP1A403	SXPP1A401	SXPP1A404	
		24	60			SXPP1A439	SXPP1A440	SXPP1A443
40 mm, 1/2 Circle Taper Point, CT		12	30					SXPP1A412
		18	45			SXPP1A406	SXPP1A405	
		24	60			SXPP1A441	SXPP1A444	
48 mm, 1/2 Circle Taper Point, CTX		12	30				SXPP1A402	SXPP1A436
		18	45				SXPP1A442	SXPP1A400
		24	60					SXPP1A445
26 mm, 5/8 Circle Taper Point, UR-6		6	15	SXPP1A417				

Suture size shown represents tensile strength.

See IFU for additional information.

* Based on benchtop testing and clinical effect is unknown †Refers to STRATAFIX™ Symmetric PDS™ Plus Knotless Tissue Control Device only.

§Compared to interrupted technique with Coated VICRYL™ (polyglactin 910) Suture and continuous technique with PDS™ II (polydioxanone) Suture in fascia (p<0.009), and superior to Medtronic V-Loc™ 180 Wound Closure Device in subcutaneous tissue (p<0.002). Based on pre-clinical testing on animal models and clinical effect is unknown.



STRATAFIX™ Symmetric PDS™ Plus antibacterial barbed sutures (Dyed – Violet) (continued)¹⁹

Needle	Length		4-0	3-0	2-0	0	1
	(in)	(cm)					
Reverse Cutting ▽							
19 mm, 3/8 Circle Reverse Cutting, PS-2		18	45	SXPP1A101			
24 mm, 3/8 Circle Reverse Cutting, PS-1		18	45	SXPP1A100			
36 mm, 1/2 Circle Reverse Cutting, OS-6		18 24	45 60			SXPP1A200 SXPP1A202	SXPP1A201 SXPP1A203
40 mm, 1/2 Circle Reverse Cutting, OS-8		24	60			SXPP1A204	SXPP1A205
TAPERCUT™ ▽							
26 mm, 1/2 Circle TAPERCUT™, V-7		9	23	SXPP1A424			
ETHIGUARD™ Blunt Point ○							
36 mm, 1/2 Circle Blunt Point, ETHIGUARD™ Safety Needle, CTB-1		18 24	45 60			SXPP1A303	SXPP1A301 SXPP1A304
48 mm, 1/2 Circle Blunt Point, ETHIGUARD™ Safety Needle, CTXB		18 24	45 60			SXPP1A302 SXPP1A305	SXPP1A300 SXPP1A306

STRATAFIX™ Spiral Plus antibacterial barbed sutures - unidirectional:

- 360° unidirectional spiral barbing pattern with a needle on one end and an adjustable fixation loop on the other
- Designed to address a known risk factor for SSIs.^{17,18*}
- Closure begins at one end of the incision, for a familiar wound-closure technique



STRATAFIX™ Spiral MONOCRYL™ Plus antibacterial barbed sutures - unidirectional¹⁴

Needle		Length (in) (cm)		Suture Color	4-0	3-0	2-0	0	1
Taper Point 									
17 mm, 1/2 Circle Taper Point, RB-1		6	15	UNDYED VIOLET	SXMP1B434	SXMP1B424 SXMP1B449			
		9	23	VIOLET		SXMP1B450			
		12	30	UNDYED	SXMP1B435	SXMP1B425			
26 mm, 1/2 Circle Taper Point, SH		6	15	UNDYED VIOLET		SXMP1B451	SXMP1B408		
		9	23	UNDYED VIOLET		SXMP1B427 SXMP1B452	SXMP1B409 SXMP1B447		
		12	30	UNDYED			SXMP1B410		
		27	70	UNDYED		SXMP1B428			
26 mm, 1/2 Circle Taper Point, CT-2		6	15	UNDYED VIOLET			SXMP1B415 SXMP1B443		
		9	23	VIOLET			SXMP1B444		
		12	30	UNDYED VIOLET			SXMP1B416 SXMP1B445		
		18	45	UNDYED			SXMP1B417		
36 mm, 1/2 Circle Taper Point, CT-1		6	15	VIOLET			SXMP1B440		
		9	23	VIOLET			SXMP1B441		
		12	30	VIOLET			SXMP1B442		
		18	45	UNDYED		SXMP1B429	SXMP1B413		
		27	70	UNDYED			SXMP1B414		
26 mm, 5/8 Circle Taper Point, UR-6		6	15	VIOLET		SXMP1B453			
		9	23	VIOLET		SXMP1B454	SXMP1B448		
		12	30	VIOLET		SXMP1B455			

Suture size shown represents tensile strength.

See IFU for additional information.

* Based on benchtop testing and clinical effect is unknown



STRATAFIX™ Spiral MONOCRYL™ Plus antibacterial barbed sutures - unidirectional¹⁴ – (continued)

Needle		Length (in)	Length (cm)	Suture Color	4-0	3-0	2-0	0	1
Reverse Cutting 									
19 mm, 3/8 Circle Reverse Cutting, PS-2		6	15	UNDYED		SXMP1B105			
		12	30	UNDYED	SXMP1B117	SXMP1B106			
		18	45	UNDYED	SXMP1B118	SXMP1B107			
		24	60	UNDYED		SXMP1B108			
		27	70	UNDYED	SXMP1B119	SXMP1B109			
24 mm, 3/8 Circle Reverse Cutting, PS-1		12	30	UNDYED	SXMP1B114	SXMP1B101			
		18	45	UNDYED		SXMP1B102			
		24	60	UNDYED		SXMP1B103			
		27	70	UNDYED		SXMP1B104			
26 mm, 3/8 Circle Reverse Cutting, PS		18	45	UNDYED		SXMP1B111			
		27	70	UNDYED		SXMP1B113			
30 mm, 3/8 Circle Reverse Cutting, PSL		27	70	UNDYED			SXMP1B421		
26 mm, 1/2 Circle Reverse Cutting, CP-2		12	30	UNDYED			SXMP1B420		
36 mm, 1/2 Circle Reverse Cutting, CP-1		27	70	UNDYED			SXMP1B419		



STRATAFIX™ Spiral PDS™ Plus antibacterial barbed sutures (Dyed – Violet)¹³

Needle		Length		4-0	3-0	2-0	0	1
		(in)	(cm)					
Taper Point								
17 mm, 1/2 Circle Taper Point, RB-1		6	15	SXPP1B427	SXPP1B422			
		12	30	SXPP1B428				
22 mm, 1/2 Circle Taper Point, SH-1		9	23	SXPP1B454	SXPP1B453			
26 mm, 1/2 Circle Taper Point, SH		6	15		SXPP1B420	SXPP1B415		
		9	23			SXPP1B433		
		12	30			SXPP1B416		
		27	70		SXPP1B421	SXPP1B417		
26 mm, 1/2 Circle Taper Point, CT-2		6	15			SXPP1B413		
		9	23					
		12	30				SXPP1B405	
36 mm, 1/2 Circle Taper Point, CT-1		6	15			SXPP1B409	SXPP1B406	
		9	23			SXPP1B456	SXPP1B455	
		12	30			SXPP1B410	SXPP1B450	SXPP1B429
		18	45			SXPP1B411	SXPP1B407	SXPP1B430
		27	70			SXPP1B412	SXPP1B408	SXPP1B431
48 mm, 1/2 Circle Taper Point, CTX		27	70					SXPP1B401
		36	90					SXPP1B402
26 mm, 5/8 Circle Taper Point, UR-6		12	30			SXPP1B419		



STRATAFIX™ Spiral PDS™ Plus antibacterial barbed sutures¹³ (Dyed – Violet)

Needle	Length		4-0	3-0	2-0	0	1
	(in)	(cm)					
Reverse Cutting ▽							
19 mm, 3/8 Circle Reverse Cutting, PS-2		6	15	SXPP1B103			
		12	30	SXPP1B104			
		18	45	SXPP1B113	SXPP1B105		
		27	70	SXPP1B114			
24 mm, 3/8 Circle Reverse Cutting, PS-1		27	70	SXPP1B110			
16 mm, 1/2 Circle Reverse Cutting, PS-4		18	45	SXPP1B119			
22 mm, 1/2 Circle Reverse Cutting, X-1		27	70	SXPP1B120			
26 mm, 1/2 Circle Reverse Cutting, CP-2		18	45	SXPP1B202			
TAPERCUT™ ◻							
36 mm, 1/2 Circle TAPERCUT™, V-34		9	23	SXPP1B458		SXPP1B457	



STRATAFIX™ Spiral Polypropylene barbed sutures – Undyed²⁰

Needle		Length		4-0	3-0	2-0	0	1
		(in)	(cm)					
Taper Point 								
22 mm, 1/2 Circle		12	30					
Taper Point, SH-1								
						SXPL1B400		

STRATAFIX™ Spiral Plus antibacterial barbed sutures - bidirectional

- Bidirectional anchors start in the middle and move toward the needles on each end
- Allows for management of tension from the middle for control over tissue approximation²²
- Allows for two clinicians to suture simultaneously
- Designed to address a known risk factor for SSIs.^{17,18*}



STRATAFIX™ Spiral PDS™ Plus antibacterial barbed sutures (Dyed – Violet)²²

Needle		Length (in)	(cm)	3-0	2-0	0	1
Taper Point 							
26 mm, 1/2 Circle SH		4 + 4	10 + 10		SXPP2B413		
		5 + 5	14 + 14		SXPP2B414		
Taper Point 							
36 mm, 1/2 Circle CT-1		5 + 5	14 + 14				SXPP2B401
		9 + 9	24 + 24		SXPP2B408	SXPP2B410	SXPP2B402
		14 + 14	36 + 36		SXPP2B412	SXPP2B411	
36 mm, 1/2 Circle MO-4		14+14	36+36				SXPP2B400
48 mm, 1/2 Circle CTX		14+14	36+36				SXPP2B405



STRATAFIX™ Spiral PDS™ Plus antibacterial barbed sutures (Dyed – Violet)²²

Needle		Length (in)	(cm)	4-0	3-0	2-0	0	1
PRIME Reverse Cutting 								
26 mm, 3/8 Circle PS		9 + 9	24 + 24	SXPP2B419				
Cutting Edge Reverse								
26 mm, 3/8 Circle FS		5 + 5 9 + 9	14 + 14 24 + 24	SXPP2B418 SXPP2B420				
26 mm, 3/8 Circle CP-2		9 + 9	24 + 24	SXPP2B415				
36 mm, 1/2 Circle OS-6		12 + 12	30 + 30	SXPP2B201				
40 mm, 1/2 Circle OS-8		14 + 14	36 + 36	SXPP2B202				



STRATAFIX™ Spiral MONOCRYL™ Plus antibacterial barbed sutures²¹

Needle		Length (in) (cm)	Suture Color	4-0	3-0	2-0
Taper Point						
19 mm, Straight Taper Point, ST-4		12 + 12	30 + 30	UNDYED		SXMP2B427
17 mm, 1/2 Circle Taper Point, RB-1		3 + 3	7 + 7	VIOLET		SXMP2B415
		6 + 6	16 + 16	UNDYED VIOLET	SXMP2B403	SXMP2B402 SXMP2B416
22 mm, 1/2 Circle Taper Point, SH-1		6 + 6	16 + 16	VIOLET		SXMP2B422
26 mm, 1/2 Circle Taper Point, SH		3 + 3	7 + 7	VIOLET		SXMP2B419
		6 + 6	16 + 16	VIOLET	SXMP2B421	SXMP2B420
36 mm, 1/2 Circle Taper Point, CT-1		5 + 5	14 + 14	UNDYED		SXMP2B400
		6 + 6	16 + 16	VIOLET		SXMP2B423
		14 + 14	36 + 36	UNDYED		SXMP2B401
26 mm, 5/8 Circle Taper Point, UR-6		6 + 6	16 + 16	VIOLET	SXMP2B417	SXMP2B418
Reverse Cutting						
19 mm, 3/8 Circle Reverse Cutting, PS-2		3 + 3	7 + 7	UNDYED	SXMP2B405	SXMP2B404
		5 + 5	14 + 14	UNDYED	SXMP2B407	SXMP2B406
		12 + 12	30 + 30	UNDYED	SXMP2B409	SXMP2B408
		18 + 18	45 + 45	UNDYED	SXMP2B151	SXMP2B152
24 mm, 3/8 Circle Reverse Cutting, PS-1		12 + 12	30 + 30	UNDYED	SXMP2B150	SXMP2B410
26 mm, 3/8 Circle Reverse Cutting, PS		5 + 5	14 + 14	UNDYED		SXMP2B411
		12 + 12	30 + 30	UNDYED	SXMP2B413	SXMP2B412
26 mm, 1/2 Circle Reverse Cutting, CP-2		5 + 5	14 + 14	UNDYED		SXMP2B414

STRATAFIX™ Spiral Polypropylene barbed sutures – Undyed²³



Needle	Length (in) (cm)	4-0	3-0	2-0	0	1
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Taper Point

22 mm, 1/2 Circle Taper Point, CT-3		5 + 5	14 + 14	SXPL2B401		
36 mm, 1/2 Circle Taper Point, CT-1		9 + 9	23 + 23	SXPL2B400		

A versatile portfolio of barbed sutures

Tissue Type	Healing Time	STRATAFIX™ Symmetric PDS™ Plus antibacterial barbed sutures	STRATAFIX™ Spiral MONOCRYL™ Plus antibacterial barbed sutures	STRATAFIX™ Spiral PDS™ Plus antibacterial barbed sutures	STRATAFIX™ Spiral Polypropylene barbed sutures
Skin (subcuticular)	1 week		✓		
Fat (subcutaneous)	1-2 weeks	✓	✓	✓	
Fascia	4-6 weeks	✓			
Deep Tissue	4-6 weeks	✓		✓	
Organ	Varies	✓	✓	✓	✓

STRATAFIX™ provided faster[†], stronger*, more secure[‡] closure than traditional suturing^{1,5}



Faster than continuous or interrupted suturing^{2-3†}



Stronger and more secure compared to interrupted suturing*, with no knot-related complications^{4,5,24††}



More Consistency – More consistent tension control and approximation during closure²⁵



More Protection – The only commercially available barbed suture with triclosan.^{7,13,14,19 **§#}



[†]Shorter closure time for STRATAFIX™ symmetric polydioxanone Plus compared to interrupted closure ($p < 0.001$); and STRATAFIX™ Spiral to VICRYL™ (first layer continuous closure, second layer interrupted closure, $p < 0.001$)

*Refers to STRATAFIX™ Symmetric PDS™ Plus Knotless Tissue Control Device only. Benchtop assessment using porcine fascia, greater maximum tissue holding strength compared to Looped PDS™ or VICRYL™ interrupted closures ($p < 0.05$). Pre-clinical test data are not necessarily indicative of clinical performance

[‡]Benchtop testing in porcine tissue. STRATAFIX™ was better able to maintain optimal tissue approximation when damage to the closure device occurred. (STRATAFIX™ Spiral compared to MONOCRYL™ interrupted and continuous closure and STRATAFIX™ Symmetric PDS™ compared to PDS™ Plus continuous closure). Pre-clinical test data are not necessarily indicative of clinical performance

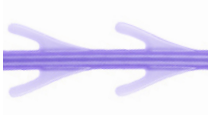
**Based on benchtop testing and clinical effect is unknown

††The barbed design of STRATAFIX™ eliminates the need for knots

§STRATAFIX™ Symmetric PDS™ Plus, STRATAFIX™ Spiral PDS™ Plus, STRATAFIX™ Spiral Monocryl™ Plus sutures only

#Staphylococcus aureus, Staphylococcus epidermidis, methicillin-resistant S. aureus (MRSA), methicillin-resistant S. epidermidis (MRSE), Escherichia coli, Klebsiella pneumoniae.

Appendix: Polymer

Johnson and Johnson Barbed Suture		Material	BSR* Profile (In vivo strength retention)	Absorption†
STRATAFIX™ Symmetric PDS™ Plus		Antibacterial Monofilament Dyed	42 days	Up to 210 days
STRATAFIX™ Spiral PDS™ Plus		Antibacterial Monofilament Dyed	42 days	Up to 210 days
STRATAFIX™ Spiral MONOCRYL™ Plus		Antibacterial Monofilament Dyed & Undyed	14 days	Up to 91 days
STRATAFIX™ Spiral Polypropylene		Monofilament Undyed	N/A Non-absorbable	Non-absorbable

* BSR = breaking strength retention (tensile strength of suture in vivo)
† Time necessary for suture to dissolve, leaving no traces in tissues

Important Information: Please refer to the latest Instructions for Use and/or Package Insert provided by the manufacturer of the device for the details such as indications, contraindications, side effects, warnings, and precautions.

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