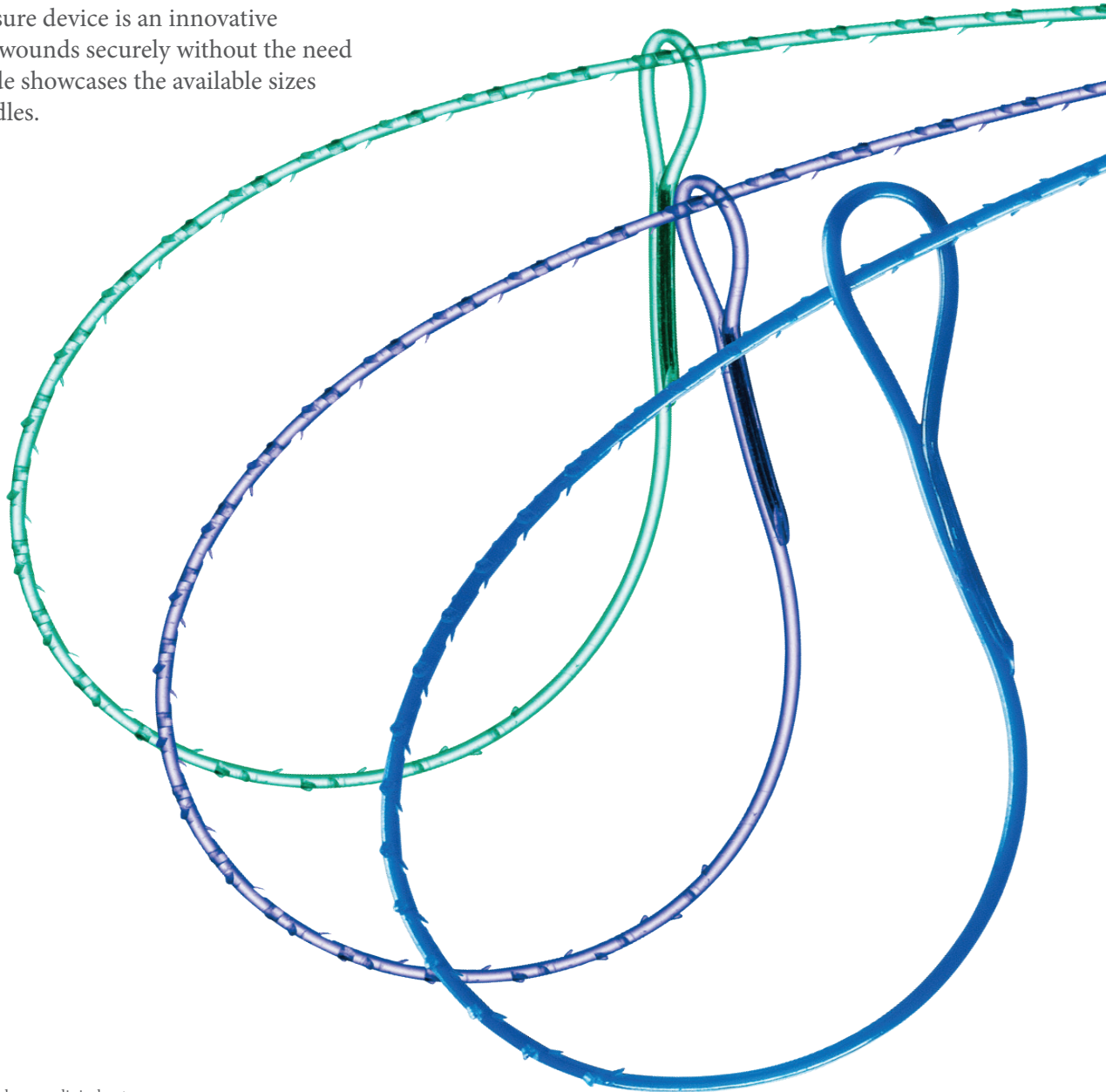


# Secure. Fast. Effective.<sup>1,2</sup>

## V-Loc™ wound closure device

The V-Loc™ wound closure device is an innovative technology that closes wounds securely without the need to tie knots.<sup>3,†</sup> This guide showcases the available sizes with all applicable needles.



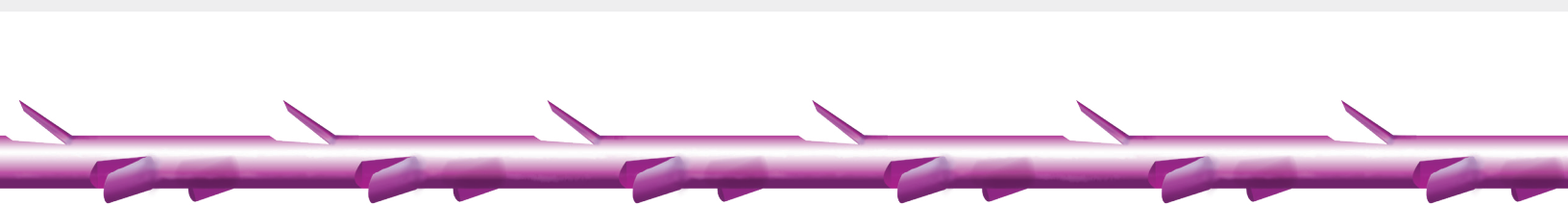
<sup>†</sup>Animal data may not correlate with human clinical outcomes.

## Competitive advantage

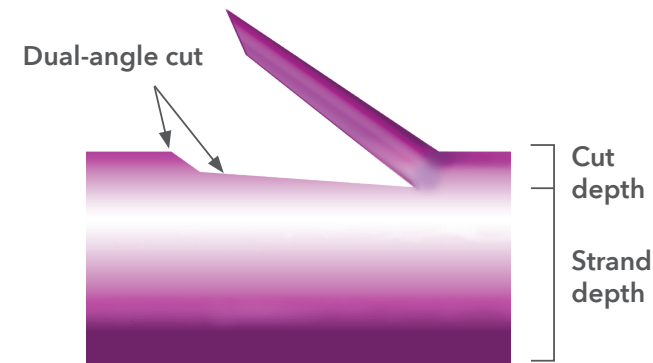
The V-Loc device wound closure strength, fairs better by comparison to competitive products. And the V-Loc 180 device is statistically stronger than the long-term absorbable competitive spiral products.<sup>3,5,†</sup> The unique dual-angle cut and barbing pattern of the V-Loc™ device creates the barbing technology, which is backed by ten years of clinical experience.<sup>3,5,‡</sup>

## Barb design

V-Loc™ device utilizes a dual-angle cut that creates a strong anchoring barb while maintaining the strand's integrity.<sup>3,†</sup>



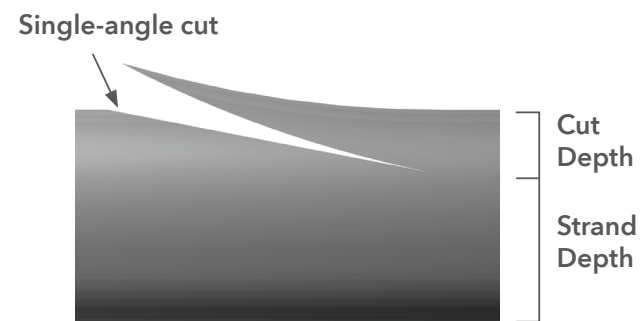
### V-Loc™ device



### Dual-angle cut

Lower-cut angle produces barbs with strong anchoring force and the shallow cut-depth preserves the integrity of the strand's strength<sup>3,†</sup>

### Competitive barb sutures



### Single-angle cut






Competitive barb sutures are manufactured with higher-cut angle. This produces barbs with lower barb holding force, and the deeper cut-depth may compromise strand's strength<sup>3,5,†</sup>

## Surgical needle and trocar guide<sup>6</sup>





This table is your guide. Surgical suture needles have minute variations in wire thickness, length, and curvature for optimal suture attachment to different USP sizes. Also, small variations in the internal trocar diameter exist between brands and manufactures. This table summarizes the testing results of our surgical suture needles and the ability to smoothly pass through our VersaOne™ access system trocars.<sup>6</sup>

Medtronic V-Loc™ needles			Medtronic VersaOne™ access system trocars†				
Type	Needle length (mm)	Curvature	5 mm	8 mm	11 mm	12 mm	15 mm
CV-15	17	3/8	Yes	Yes	Yes	Yes	Yes
CV-23	17	1/2	Yes‡	Yes	Yes	Yes	Yes
GS-11	37	1/2	No	No	No	Yes‡	Yes
GS-21	37	1/2	No	No	Yes‡	Yes	Yes
GS-22	27	1/2	No	Yes‡	Yes	Yes	Yes
GS-24	40	1/2	No	No	No	No	Yes
GS-25	48	1/2	No	No	No	No	Yes
GU-46	27	5/8	No	No	Yes	Yes	Yes
HOS-12	40	1/2	No	No	No	Yes	Yes
P-11	16	3/8	Yes	Yes	Yes	Yes	Yes
P-12	19	3/8	Yes	Yes	Yes	Yes	Yes
P-14	24	3/8	No	Yes	Yes	Yes	Yes
P-17	30	3/8	No	No	Yes	Yes	Yes
SC1	51	Straight	Yes	Yes	Yes	Yes	Yes
SC2	60	Straight	Yes	Yes	Yes	Yes	Yes
SK	23	Ski	Yes	Yes	Yes	Yes	Yes
V-20	26	1/2	No	Yes‡	Yes	Yes	Yes
V-30	30	1/2	No	No	Yes	Yes	Yes

## V-Loc™ 90 absorbable wound closure device

Premium reverse cutting ▼	Suture			Units per box	4-0	3-0	2-0	0
	Length (cm)	Length (in)	Color					
<b>3/8 Circle 16 mm</b>   <b>P-11 5 mm Trocar</b>	30	12	Undyed	12	VLOCM1413 v			
	45	18	Undyed	12	VLOCM1423 v			
<b>3/8 Circle 19 mm</b>   <b>P-12 5 mm Trocar</b>	15	6	Undyed	12	VLOCM0003 v	VLOCM0004 v	VLOCM0005	
	30	12	Undyed	12	VLOCM0013 v	VLOCM0014 v	VLOCM0015	
	45	18	Undyed	12	VLOCM0023 v	VLOCM0024 v	VLOCM0025	
	58	23	Undyed	12	VLOCM0033 v	VLOCM0034 v	VLOCM0035	
<b>3/8 Circle 24 mm</b>   <b>P-14 8 mm Trocar</b>	23	9	Violet	12			VLOCM3245	
	30	12	Undyed	12	VLOCM0113 v	VLOCM0114 v	VLOCM0115	
	45	18	Undyed	12	VLOCM0123 v	VLOCM0124 v	VLOCM0125	
	58	23	Undyed	12	VLOCM0133 v	VLOCM0134 v	VLOCM0135	
<b>3/8 Circle 30 mm</b>   <b>P-17 11 mm Trocar</b>	45	18	Undyed	12		VLOCM1824		
Taper point ☉	Suture			Units per box	4-0	3-0	2-0	0
Length (cm)	Length (in)	Color						
<b>3/8 Circle 17 mm</b>   <b>CV-15 5 mm Trocar</b>	15	6	Violet	12	VLOCM1203 v	VLOCM1204 v		

## V-Loc™ 90 absorbable wound closure device







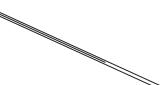

Taper point ☉	Suture			Units per box	4-0	3-0	2-0	0
	Length (cm)	Length (in)	Color					
<b>1/2 Circle 17 mm</b>   <b>CV-23 5 mm Trocar†</b>	15	6	Violet	12		VLOCM0804 v		
	15	6	Undyed	12		VLOCM1904 v		
	23	9	Violet	12	VLOCM0843 v	VLOCM0844 v		
	23	9	Undyed	12		VLOCM1944 v		
	30	12	Violet	12	VLOCM0813 v	VLOCM0814 v		
	45	18	Violet	12		VLOCM0824 v		
<b>1/2 Circle 26 mm</b>   <b>V-20 8 mm Trocar†</b>	15	6	Violet	12	VLOCM0603 v	VLOCM0604 v		
	15	6	Undyed	12		VLOCM2004 v		
	23	9	Violet	12		VLOCM0644 v		
	23	9	Undyed	12		VLOCM2044 v		
	30	12	Violet	12		VLOCM0614 v		
	45	18	Violet	12	VLOCM0623 v	VLOCM0624 v	VLOCM0625	
	58	23	Violet	12			VLOCM0635	
<b>1/2 Circle 30 mm</b>   <b>V-30 11 mm Trocar</b>	23	9	Violet	12		VLOCM1544	VLOCM1545	
<b>1/2 Circle 27 mm</b>   <b>GS-22 8 mm Trocar†</b>	15	6	Violet	12			VLOCM2105	VLOCM2106 <sup>‡</sup>
	15	6	Undyed	12			VLOCM2205	
	23	9	Violet	12			VLOCM2145	VLOCM2146 <sup>‡</sup>
	23	9	Undyed	12			VLOCM2245	
	30	12	Violet	12			VLOCM2115	VLOCM2116 <sup>‡</sup>
	45	18	Violet	12				VLOCM2126 <sup>‡</sup>
	55	22	Violet	12				VLOCM2136 <sup>‡</sup>

v Surgalloy™ Needle

‡ Results can vary; depending on the trocar brand and manufacturer due to variations in trocar's internal diameter.








Ω New V-Loc™ device code.

## V-Loc™ 90 absorbable wound closure device

Taper point 	Suture			Units per box	4-0	3-0	2-0	0
	Length (cm)	Length (in)	Color					
<b>1/2 Circle 37 mm</b>  GS-21 11 mm Trocar†	15	6	Violet	12			VLOCM0305	VLOCM0306 <sup>‡</sup>
	45	18	Violet	12			VLOCM0325	
	23	9	Violet	12		VLOCM0344	VLOCM0345	VLOCM0346 <sup>‡</sup>
	30	12	Violet	12			VLOCM0315	VLOCM0316 <sup>‡</sup>
	45	18	Violet	12		VLOCM0324	VLOCM0325	VLOCM0326 <sup>‡</sup>
	45	18	Undyed	12			VLOCM3225	VLOCM3326 <sup>‡</sup>
	55	22	Violet	12				VLOCM0336 <sup>‡</sup>
	55	22	Undyed	12				VLOCM3336 <sup>‡</sup>
	58	23	Violet	12			VLOCM0335	
<b>1/2 Circle 40 mm</b>  GS-24 15 mm Trocar	45	18	Violet	12				VLOCM4726 <sup>‡</sup>
<b>1/2 Circle 48 mm</b>  GS-25 15 mm Trocar	55	22	Violet	12				VLOCM0436 <sup>‡</sup>
<b>5/8 Circle 27 mm</b>  U-46 11 mm Trocar	15	6	Violet	12		VLOCM1704		
	23	9	Violet	12		VLOCM1744		
Straight cutting 	Suture			Units per box	4-0	3-0	2-0	0
	Length (cm)	Length (in)	Color					
<b>Straight 51 mm</b>  SC-1	45	18	Undyed	12			VLOCM1624	
<b>Straight 60 mm</b>  SC-2	45	18	Undyed	12	VLOCM0223	VLOCM0224		

‡ Results can vary; depending on the trocar brand and manufacturer due to variations in trocar's internal diameter.  
 Ω New V-Loc™ device code.

## V-Loc™ 180 absorbable wound closure device

Premium reverse cutting 	Suture			Units per box	4-0	3-0	2-0	0
	Length (cm)	Length (in)	Color					
<b>3/8 Circle 16 mm</b>  P-11 5 mm Trocar	30	12	Undyed	12	VLOCL1413 <sub>v</sub>			
<b>3/8 Circle 19 mm</b>  P-12 5 mm Trocar	15	6	Undyed	12	VLOCL0003 <sub>v</sub>	VLOCL0004		
	30	12	Undyed	12	VLOCL0013 <sub>v</sub>	VLOCL0014	VLOCL0015	
	45	18	Undyed	12	VLOCL0023 <sub>v</sub>	VLOCL0024	VLOCL0025	
	58	23	Undyed	12	VLOCL0033 <sub>v</sub>			
	60	24	Undyed	12		VLOCL0034		
<b>3/8 Circle 24 mm</b>  P-14 8 mm Trocar	30	12	Undyed	12		VLOCL0114	VLOCL0115	
	30	12	Green	12				VLOCL3216
	45	18	Undyed	12	VLOCL0123 <sub>v</sub>	VLOCL0124	VLOCL0125	
	58	23	Undyed	12	VLOCL0133 <sub>v</sub>			
	60	24	Undyed	12		VLOCL0134	VLOCL0135	
Reverse cutting 	Suture			Units per box	4-0	3-0	2-0	0
Length (cm)	Length (in)	Color						
<b>1/2 Circle 37 mm</b>  GS-11 12 mm Trocar†	30	12	Undyed	12			VLOCL2815	
	45	18	Undyed	12				VLOCL2826
	45	18	Green	12			VLOCL2825	
	60	24	Green	12				VLOCL2836
<b>1/2 Circle 40 mm</b>  HOS-12 12 mm Trocar	60	24	Green	12				VLOCL4636

<sub>v</sub> Surgalloy™ Needle  
 ‡ Results can vary; depending on the trocar brand and manufacturer due to variations in trocar's internal diameter.




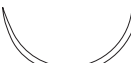


## V-Loc™ 180 absorbable wound closure device

Taper point	☉	Suture			Units per box	4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color					
1/2 Circle	17 mm	15	6	Green	12	VLOCL0803 <sub>v</sub>	VLOCL0804		
		15	6	Undyed	12		VLOCL1904 <sub>v</sub>		
		23	9	Green	12		VLOCL0844 <sub>v</sub>		
		30	12	Green	12	VLOCL0813 <sub>v</sub>	VLOCL0814		
		45	18	Green	12		VLOCL0824		
CV-23 5 mm Trocar‡									
1/2 Circle	26 mm	15	6	Green	12	VLOCL0603 <sub>v</sub>	VLOCL0604 <sub>v</sub>		
		23	9	Green	12	VLOCL0643 <sub>v</sub>	VLOCL0644 <sub>v</sub>		
		30	12	Green	12	VLOCL0613 <sub>v</sub>	VLOCL0614 <sub>v</sub>	VLOCL0615	
		45	18	Green	12		VLOCL0624 <sub>v</sub>	VLOCL0625	
		60	24	Green	12			VLOCL0635	
V-20 8 mm Trocar‡									
1/2 Circle	30 mm	23	9	Green	12		VLOCL1544	VLOCL1545	
V-30 11 mm Trocar									
1/2 Circle	27 mm	15	6	Green	12			VLOCL2105	
		23	9	Green	12			VLOCL2145	VLOCL2246
		30	12	Green	12				VLOCL2216
GS-22 8 mm Trocar‡									
1/2 Circle	37 mm	15	6	Green	12			VLOCL0305	VLOCL0306
		23	9	Green	12		VLOCL0344	VLOCL0345	VLOCL0346
		30	12	Green	12			VLOCL0315	VLOCL0316
		45	18	Green	12		VLOCL0324	VLOCL0325	VLOCL0326
		60	24	Green	12			VLOCL0335	VLOCL0336
GS-21 11 mm Trocar‡									
1/2 Circle	48 mm	30	12	Green	12				VLOCL0416
		45	18	Green	12				VLOCL0426
		60	24	Green	12				VLOCL0436
GS-25 15 mm Trocar									

## V-Loc™ 180 absorbable wound closure device

Taper point	☉	Suture			Units per box	3-0	2-0	0	
		Length (cm)	Length (in)	Color					
ski	23 mm	23	9	Green	12	VLOCL2744			
SK									
Straight cutting	☒	Suture			Units per box	3-0	2-0	0	
		Length (cm)	Length (in)	Color					
Straight	60 mm	45	18	Clear	12	VLOCL0224			
SC-2									

## V-Loc™ PBT nonabsorbable wound closure device

Taper point 	Suture			Units per box	4-0	3-0	2-0	0	1
	Length (cm)	Length (in)	Color						
<b>1/2 Circle 17 mm</b>  CV-23 5 mm Trocar‡	15	6	Blue	12		VLOCN0804			
	30	12	Blue	12		VLOCN0814 v			
<b>1/2 Circle 26 mm</b>  V-20 8 mm Trocar‡	15	6	Blue	12		VLOCN0604 v	VLOCN0605		
	23	9	Blue	12		VLOCN0644 v			
	30	12	Blue	12		VLOCN0614 v	VLOCN0615		
<b>1/2 Circle 27 mm</b>  GS-22 8 mm Trocar‡	15	6	Blue	12			VLOCN2105	VLOCN2106	
	23	9	Blue	12			VLOCN2145	VLOCN2146	VLOCN2147
	30	12	Blue	12					VLOCN2117
	45	18	Blue	12			VLOCN1125	VLOCN1126	
<b>1/2 Circle 37 mm</b>  GS-21 11 mm Trocar‡	15	6	Blue	12			VLOCN0305	VLOCN0306	
	23	9	Blue	12			VLOCN0345	VLOCN0346	VLOCN0347
	30	12	Blue	12					VLOCN0317
	45	18	Blue	12			VLOCN0325	VLOCN0326	VLOCN0327
<b>1/2 Circle 48 mm</b>  GS-25 15 mm Trocar	60	24	Blue	12					VLOCN0437

v Surgalloy™ Needle  
 ‡ Results can vary; depending on the trocar brand and manufacturer due to variations in trocar's internal diameter.

## V-Loc™ 180 absorbable reload for Endo Stitch™ suturing device

	Length (cm)	Length (in)	Color	Units per box	3-0	2-0	0	1
	10	4	Green	6				VLOCA004L
15	6	Green	6				VLOCA006L	
20	8	Green	6				VLOCA008L	
10	4	Green	6			VLOCA204L		
15	6	Green	6			VLOCA206L		
20	8	Green	6			VLOCA208L		
10	4	Green	6		VLOCA304L			
15	6	Green	6		VLOCA306L			
20	8	Green	6		VLOCA308L			

### Endo Stitch™ suturing device reorder code

Reorder Code	Description
173016	Endo Stitch™ 10 mm Suturing Device




## V-Loc™ PBT non-absorbable reload Endo Stitch™ suturing device

	Length (cm)	Length (in)	Color	Units per box	3-0	2-0	0	1
	10	4	Blue	6				VLOCN004L
15	6	Blue	6				VLOCN006L	
20	8	Blue	6				VLOCN008L	
10	4	Blue	6			VLOCN204L		
15	6	Blue	6			VLOCN206L		
20	8	Blue	6			VLOCN208L		
10	4	Blue	6		VLOCN304L			
15	6	Blue	6		VLOCN306L			
20	8	Blue	6		VLOCN308L			

### Endo Stitch™ suturing device reorder code

Reorder Code	Description
173016	Endo Stitch™ 10 mm Suturing Device

# V-Loc™ wound closure device

	V-Loc™ 90 device <sup>7</sup>	V-Loc™ 180 device <sup>8</sup>	V-Loc™ PBT nonabsorbable device <sup>9</sup>
<b>Tensile Strength</b>	14 days	21 days	Permanent
<b>Absorption Profile</b>	90-110 days	180 days	Permanent
<b>Procedural Applications</b>	Soft tissue approximation where support is required consistent with the absorption profile	Soft tissue approximation where support is required consistent with the absorption profile	Soft tissue approximation
<b>Color</b>	Undyed, violet 	Undyed, green 	Blue 
<b>Composition</b>	Glycolide, dioxanone and trimethylene carbonate	Copolymer of glycolic acid and trimethylene carbonate	Polybutester
<b>Indications</b>	V-Loc™ 90 and V-Loc™ 180 absorbable wound closure devices are indicated for soft tissue approximation where use of an absorbable suture is appropriate.		V-Loc™ PBT nonabsorbable wound closure devices are indicated for soft tissue approximation.
<b>Risk Statement</b>	for both 90 and 180 device: Do not tie Knots. Tying knots may damage the barbs and potentially reduce their effectiveness.		Gut sutures are not indicated for use in cardiovascular or neural tissue, and microsurgery.



Scan the QR code for more information or to set up a product demonstration.

## References

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- Rubin JP, Hunstad JB, Polynice A, Gusenoff JA, et al. A multicenter randomized controlled trial comparing absorbable barbed sutures versus conventional absorbable sutures for dermal closure in open surgical procedures. *Aesthet Surg J*. 2014;34(2):272-283.
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- Based on internal test report #RE00319320. V-Loc™ Needle compatibility with VersaOne™ Trocars, April 2021.
- V-Loc™ 90 device [instructions for use]. Medtronic.
- V-Loc™ 180 device [instructions for use]. Medtronic.
- V-Loc™ PBT non-absorbable device [instructions for use]. Medtronic.

This material is for Healthcare Professionals in countries with applicable health authority product registrations.

Important: Always refer to the Instructions For Use (IFU) packaged with the product/e-IFU for complete instructions, indications, contraindications, warnings, and precautions.

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