



Make it simple. Streamline suturing.

V-Loc™ Wound Closure Device
Solutions for Robotic-Assisted Surgery (RAS)

The V-Loc™ wound closure device was designed to empower efficiency for the overall suturing experience.^{1,2,†} It securely closes wounds without tying knots during surgical procedures.^{3,‡}

Medtronic

V-Loc™ Wound Closure Device

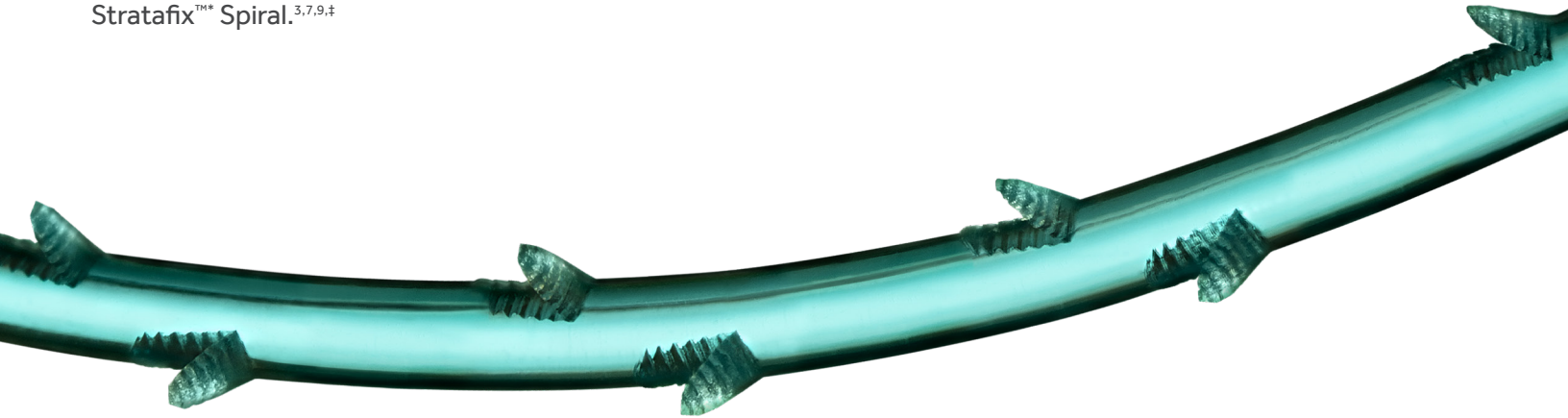
Competitive advantage

The V-Loc™ wound closure device delivers uncompromised tensile strength and improved wound healing^{4-6,§}, reducing incidents of suture slippage during procedures and the healing process.^{7,8,†,‡,Ω}

Its wound closure strength fairs better by comparison to Quill™* and the V-Loc™ 180 device is statistically stronger than the long-term absorbable Stratafix™* Spiral.^{3,7,9,‡}

Designed for more

The V-Loc™ wound closure device design has a dual-angle cut for a strong anchoring barb that also maintains strand integrity.^{3,†} And it's structured to eliminate the need to tension and re-tension — and tie knots.⁸



V-Loc™ wound closure device guide by specialty and procedures^{††}

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†As compared to conventional sutures.

‡Animal data may not correlate with human clinical outcomes.

§Based on preclinical data; preclinical results may not correlate with clinical performance in humans

ΩAs compared to a locking stitch with a conventional suture during a urological procedure.

††Please refer to package insert/IFU for complete list of indication, warnings, precautions and other important medical information of the device.



Inguinal Hernia (rTAPP)

Peritoneum Closure^Ω

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	GS-22	15	6	Green			VLOCL2105	
180	GS-22	23	9	Green			VLOCL2145	
90	GS-22	15	6	Violet			VLOCM2105	
90	GS-22	23	9	Violet			VLOCM2145	
90	V-20	15	6	Violet		VLOCM0604		
90	V-20	23	9	Violet		VLOCM0644		

Bariatric and Upper GI

V-Loc™ Wound Closure Device Solutions for RAS

Soft Tissue Approximation Applications



Nissen Fundoplication

Gastric Fundus Plication

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	GS-22	23	9	Green			VLOCL2145	VLOCL2246
180	GS-22	30	12	Green				VLOCL2216
PBT	GS-22	23	9	Blue			VLOCN2145	VLOCN2146

Hiatal and Paraesophageal Hernia

Crura

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
PBT	GS-22	15	6	Blue				VLOCN2106
PBT	GS-22	23	9	Blue			VLOCN2145	
PBT	V-20	30	12	Blue			VLCON0615	

Sleeve Gastrectomy

Oversew Staple Line (Stomach)

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
PBT	GS-22	15	6	Blue			VLOCN2105	
PBT	GS-22	23	9	Blue			VLOCN2145	

Rou-En-Y Gastric Bypass

Mesenteric Defect

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	GS-21	23	9	Green		VLOCL0344	VLOCL0345	VLOCL0346
180	GS-21	30	12	Green			VLOCL0315	VLOCL0316
180	GS-22	15	6	Green			VLOCL2105	
180	GS-22	23	9	Green			VLOCL2145	VLOCL2246
180	GS-22	30	12	Green				VLOCL2216
180	V-20	15	6	Green		VLOCL0604		
180	V-20	23	9	Green	VLOCL0643	VLOCL0644		
180	V-20	30	12	Green	VLOCL0603	VLOCL0614	VLOCL0615	

Omentopexy

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	V-20	15	6	Green		VLOCL0604		
180	V-20	23	9	Green		VLOCL0644		
180	V-20	30	12	Green		VLOCL0614	VLOCL0615	



Lower Anterior Resection (LAR)

Oversew Staple Line

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	GS-21	23	9	Green			VLOCL0345	VLOCL0346
180	GS-21	30	12	Green			VLOCL0315	VLOCL0316
180	GS-22	15	6	Green			VLOCL2105	
180	GS-22	23	9	Green			VLOCL2145	VLOCL2246
180	GS-22	30	12	Green				VLOCL2216

Sigmoidectomy

Oversew Staple Line

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	GS-21	15	6	Green			VLOCL0305	VLOCL0306
180	GS-21	23	9	Green			VLOCL0345	VLOCL0346
180	GS-21	30	12	Green			VLOCL0315	VLOCL0316
180	GS-22	15	6	Green			VLOCL2105	
180	GS-22	23	9	Green			VLOCL2145	VLOCL2246
180	GS-22	30	12	Green				VLOCL2216
180	V-20	30	12	Green			VLOCL0615	



Hysterectomy

Vaginal Cuff

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	GS-21	23	9	Green			VLOCL0345	VLOCL0346
180	GS-21	30	12	Green			VLOCL0315	VLOCL0316
180	GS-22	23	9	Green			VLOCL2145	VLOCL2246
180	GS-22	30	12	Green				VLOCL2216
90	GS-21	23	9	Violet			VLOCM0345	
90	GS-21	30	12	Violet			VLOCM0315	
90	GS-22	23	9	Violet			VLOCM2145	
90	GS-22	23	9	Undyed			VLOCM2245	
90	GS-22	30	12	Violet			VLOCM2115	

Myomectomy

Uterus

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	GS-25	30	12	Green				VLOCL0416
180	GS-21	30	12	Green			VLOCL0315	VLOCL0316
180	GS-22	15	6	Green			VLOCL0305	VLOCL0306
180	GS-22	23	9	Green			VLOCL2145	VLOCL2246
180	GS-22	30	12	Green				VLOCL2216
90	GS-21	30	12	Violet			VLOCM0315	



PROSTATECTOMY

Rocco-stitch and Vesicourethral Anastomosis

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	CV-23	15	6	Green		VLOCL0804		
180	CV-23	15	6	Undyed		VLOCL1904		
180	CV-23	23	9	Green		VLOCL0844		
180	V-20	15	6	Violet		VLOCL0604		
90	V-20	15	6	Violet		VLOCM0644		
90	V-20	15	6	Undyed		VLOCM2044		
90	V-20	23	9	Violet		VLOCM0644		
90	V-20	23	9	Undyed		VLOCM2044		
90	CV-23	15	6	Violet		VLOCM0804		
90	CV-23	15	6	Undyed		VLOCM1904		
90	CV-23	23	9	Violet		VLOCM0844		
90	CV-23	23	9	Undyed		VLOCM1944		

Nephrectomy/Partial Nephrectomy

Renorrhaphy (Kidney Closure in Partial)

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	GS-21	15	6	Green			VLOCL0305	VLOCL0306
180	GS-21	23	9	Green			VLOCL0345	
180	GS-21	30	12	Green			VLOCL0315	
90	GS-21	15	6	Violet			VLOCM0305	
90	GS-21	23	9	Violet			VLOCM0345	
90	GS-21	30	12	Violet			VLOCM0315	
90	GS-22	23	9	Violet			VLOCM2145	
90	GS-22	23	9	Undyed			VLOCM2245	
90	V-20	15	6	Violet		VLOCM0604		
90	V-20	15	6	Undyed		VLOCM2004		

Pyeloplasty

Ureteropelvic Anastomosis

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	CV-15	15	6	Violet	VLOCM1203			

Surgical Needle and Trocar Guide¹⁰

V-Loc™ Wound Closure Device



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 manufacturers. This table summarizes the testing results of our surgical suture needles and the ability to smoothly pass through our VersaOne™ access system trocars.¹⁰

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-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

[†] Our needles were tested with Medtronic VersaOne™ access system trocars.




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

Surgical Needle Guide

V-Loc™ Wound Closure Device



Medtronic V-Loc™ Needles	Competitive Needles	Needle Type	Needle Length (mm)	Needle Curvature	Image
CV-15	BB	Taper	17	3/8	
CV-23	RB-1	Taper	17	1/2	
GS-11	CP-1	Cutting	37	1/2	
GS-21	CT-1	Taper	37	1/2	
GS-22	CT-2	Taper	27	1/2	
GS-25	CTX	Taper	48	1/2	
GU-46	UR-6	Taper	27	5/8	
HOS-12	OS-8	Taper	40	1/2	
P-11	PS-3	Cutting	16	3/8	
P-12	PS-2	Cutting	19	3/8	
P-14	PS-1	Cutting	24	3/8	
P-17	PSL	Cutting	30	3/8	
SC-1	TS	Cutting	51	Straight	
SC-2	KS	Cutting	60	Straight	
SK	EN-S	Taper	23	Ski	
V-20	SH	Taper	26	1/2	
V-30	MH-1	Taper	30	1/2	

	V-Loc™ 90 Absorbable Device ¹¹	V-Loc™ 180 Absorbable Device ¹²	V-Loc™ PBT Non-Absorbable Device ¹³
Tensile Strength ⁸⁻¹⁰	14 days	21 days	Permanent
Absorption Profile ⁸⁻¹⁰	90-110 days	180 days	Permanent
Procedural Applications ⁸⁻¹⁰	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
Color ⁸⁻¹⁰	Undyed, violet 	Undyed, green 	Blue 
Composition ⁸⁻¹⁰	Glycolide, dioxanone and trimethylene carbonate	Copolymer of glycolic acid and trimethylene carbonate	Polybutester
Indications ⁸⁻¹⁰	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 non-absorbable wound closure devices are indicated for soft tissue approximation.

For more information or to set up a product demonstration, contact your local Medtronic wound closure specialist or call customer service at 800-722-8772.

Visit us at [medtronic.com/v-loc](https://www.medtronic.com/v-loc)

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10. Based on internal test report #RE00319320. V-Loc™ Needle compatibility with VersaOne™ Trocars, April 2021.
11. V-Loc™ 90 device [instructions for use]. Medtronic.
12. V-Loc™ 180 device [instructions for use]. Medtronic.
13. V-Loc™ PBT non-absorbable device [instructions for use]. Medtronic.

IMPORTANT: Please refer to the package insert for complete instructions, contraindications, warnings and precautions.

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