



Make it simple. Streamline suturing.

V-Loc™ wound closure device
Procedural and application guide

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,‡} This guide helps make things simple providing information about product use according to procedure and specialty.

Medtronic

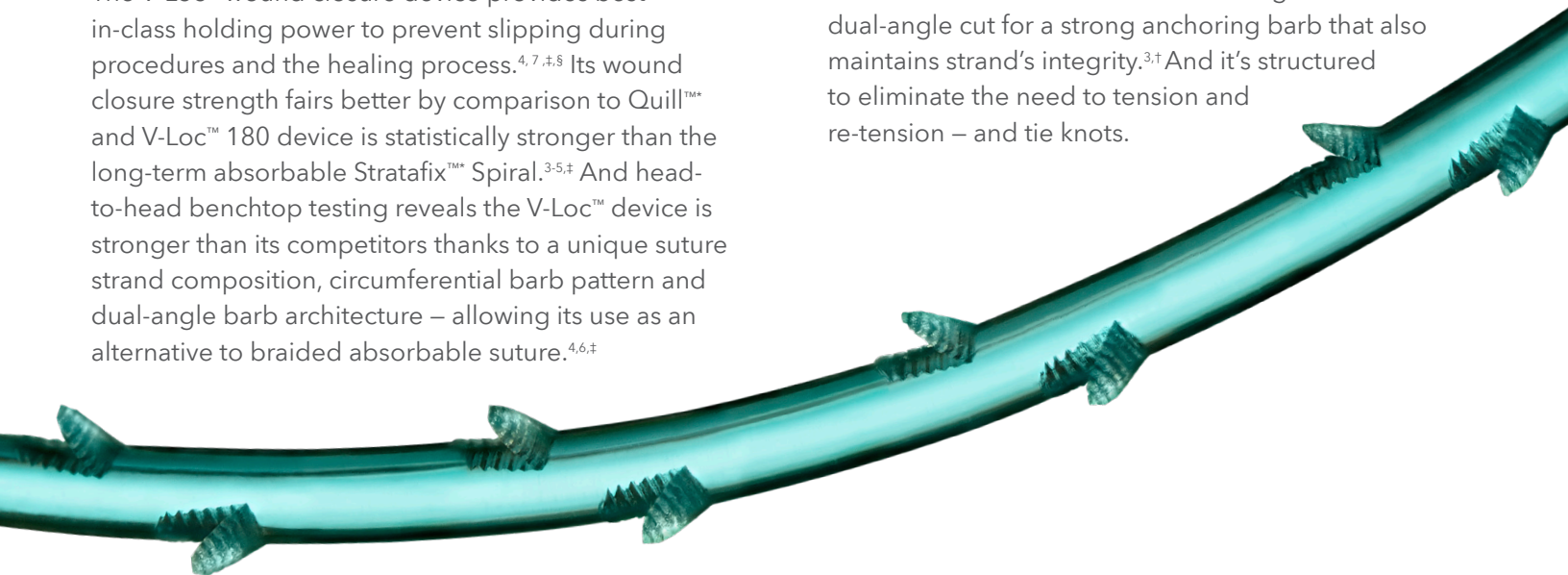
V-Loc™ wound closure device

Competitive advantage

The V-Loc™ wound closure device provides best-in-class holding power to prevent slipping during procedures and the healing process.^{4,7,†,§} Its wound closure strength fares better by comparison to Quill™ and V-Loc™ 180 device is statistically stronger than the long-term absorbable Stratafix™ Spiral.^{3-5,‡} And head-to-head benchtop testing reveals the V-Loc™ device is stronger than its competitors thanks to a unique suture strand composition, circumferential barb pattern and dual-angle barb architecture – allowing its use as an alternative to braided absorbable suture.^{4,6,‡}

Designed for more

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



V-Loc™ wound closure device catalog by specialities and procedures^Ω

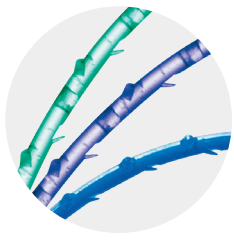
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†As compared to conventional sutures.

‡Animal data may not correlate with human clinical outcomes.

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

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



General Surgery

LAP inguinal hernia (TAPP)

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		

Open inguinal hernia (Lichtenstein)

Subcutaneous

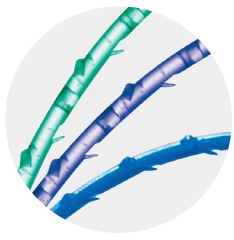
V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	GS-21	45	18	Violet			VLOCM0325	
90	GS-21	58	23	Violet			VLOCM0335 [†]	
90	GS-22	23	9	Violet			VLOCM2145	
90	GS-22	23	9	Undyed			VLOCM2245	
90	GS-22	30	12	Violet			VLOCM2115	
90	V-20	58	23	Violet			VLOCM0635 [†]	

Subcuticular

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	P-12	30	12	Undyed	VLOCM0013	VLOCM0014		
90	P-12	15	6	Undyed	VLOCM0003	VLOCM0004		
90	P-14	30	12	Undyed	VLOCM0113	VLOCM0114		

[†]New V-Loc™ device code.

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

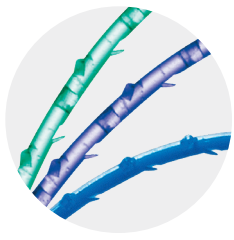


General Surgery (cont'd.)

Laparotomy closure/ventral hernia (open)

Subcutaneous

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-25	45	18	Green				VLOCL0426
180	GS-25	60	24	Green				VLOCL0436
180	GS-21	30	12	Green			VLOCL0315	VLOCL0316
180	GS-21	45	18	Green			VLOCL0325	VLOCL0326
180	GS-21	60	24	Green			VLOCL0335	VLOCL0336
180	GS-22	30	12	Green				VLOCL2216
180	V-20	30	12	Green			VLOCL0615	
180	V-20	45	18	Green			VLOCL0625	
180	V-20	60	24	Green			VLOCL0635	
90	GS-21	30	12	Violet			VLOCM0315	
90	GS-21	45	18	Violet			VLOCM0325	
90	GS-21	58	23	Violet			VLOCM0335†	
90	GS-22	23	9	Violet			VLOCM2145	
90	GS-22	30	12	Violet			VLOCM2115	
90	V-20	58	23	Violet			VLOCM0635†	
90	V-20	45	18	Violet			VLOCM0625	
90	P-14	30	12	Undyed		VLOCM0114		
90	P-14	45	18	Undyed		VLOCM0124		
90	P-12	30	12	Undyed	VLOCM0013	VLOCM0014		
90	P-12	45	18	Undyed	VLOCM0023	VLOCM0024		



Bariatric and upper GI

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	VLOCN2146
PBT	V-20	30	12	Blue			VLCON0615	

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	

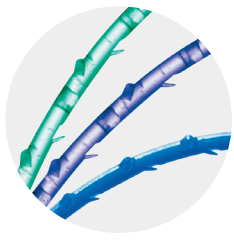
Roux-en-y gastric bypass

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	



Colorectal

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	

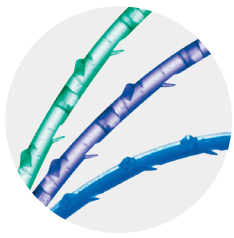
LAR/sigmoidectomy

Subcutaneous

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	GS-21	30	12	Green			VLOCL0315	
180	GS-21	45	18	Green			VLOCL0325	
180	V-20	30	12	Green			VLOCL0615	
180	V-20	45	18	Green			VLOCL0625	
90	GS-21	30	12	Violet			VLOCM0315	
90	GS-21	45	18	Violet			VLOCM0325	
90	GS-21	58	23	Violet			VLOCM0335†	
90	GS-22	23	9	Violet			VLOCM2145	
90	GS-22	30	12	Violet			VLOCM2115	
90	V-20	45	18	Violet			VLOCM0625	
90	V-20	58	23	Violet			VLOCM0635†	

Subcuticular

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	P-14	30	12	Undyed		VLOCM0114		
90	P-14	45	18	Undyed		VLOCM0124		
90	P-12	30	12	Undyed	VLOCM0013	VLOCM0014		
90	P-12	45	18	Undyed	VLOCM0023	VLOCM0024		



Hepato-pancreato-biliary (HPB)

Open procedures

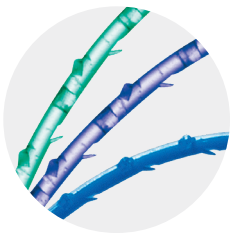
Subcutaneous

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	GS-25	45	18	Green				VLOCL0426
180	GS-25	60	24	Green				VLOCL0436
180	GS-21	45	18	Green			VLOCL0325	VLOCL0326
180	GS-21	60	24	Green			VLOCL0335	VLOCL0336
180	V-20	45	18	Green			VLOCL0625	
90	GS-21	30	12	Violet			VLOCM0315	
90	GS-21	45	18	Undyed			VLOCM3225	
90	GS-21	45	18	Violet			VLOCM0325	
90	GS-21	58	23	Violet			VLOCM0335†	
90	GS-22	30	12	Violet			VLOCM2115	
90	V-20	45	18	Violet			VLOCM0625	
90	V-20	58	23	Violet			VLOCM0635†	

Subcuticular

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	P-14	30	12	Undyed	VLOCM0113	VLOCM0114		
90	P-14	45	18	Undyed	VLOCM0123	VLOCM0124		
90	P-14	60	23	Undyed	VLOCM0133	VLOCM0034		
90	P-12	30	12	Undyed	VLOCM0013	VLOCM0014		
90	P-12	45	18	Undyed	VLOCM0023	VLOCM0024		
90	P-12	60	23	Undyed	VLOCM0033	VLOCM0034		

†New V-Loc™ device code.



Plastic and reconstructive surgery

Breast

Areola

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	V-20	23	9	Undyed		VLOCM2044		
90	P-14	30	12	Undyed		VLOCM0114		
90	P-12	30	12	Undyed	VLOCM0013	VLOCM0014		
90	P-11	30	12	Undyed	VLOCM1413			

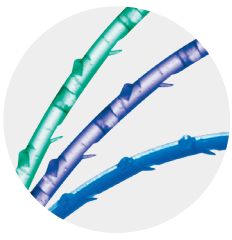
Abdominoplasty/breast

Subcutaneous

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	GS-21	30	12	Green			VLOCL0315	VLOCL0316
180	GS-21	45	18	Green		VLOCL0324	VLOCL0325	VLOCL0326
180	GS-21	60	24	Green			VLOCL0335	VLOCL0336
90	GS-21	30	12	Violet			VLOCM0315	
90	GS-21	45	18	Undyed			VLOCM3225	
90	GS-21	45	18	Violet			VLOCM0325	
90	GS-21	58	23	Violet			VLOCM0335†	
90	GS-22	23	9	Violet			VLOCM2145	
90	GS-22	30	12	Violet			VLOCM2115	
90	V-20	45	18	Violet			VLOCM0625	
90	V-20	58	23	Violet			VLOCM0635†	

Subcuticular

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	P-14	30	12	Undyed	VLOCM0113	VLOCM0114		
90	P-14	45	18	Undyed	VLOCM0123	VLOCM0124		
90	P-14	60	23	Undyed	VLOCM0133	VLOCM0034		
90	P-12	30	12	Undyed	VLOCM0013	VLOCM0014		
90	P-12	45	18	Undyed	VLOCM0023	VLOCM0024		
90	P-12	60	23	Undyed	VLOCM0033	VLOCM0034		



Obstetrics/gynecology

C-section

Uterus

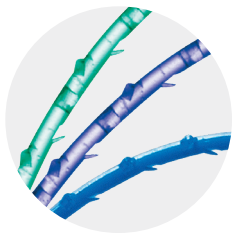
V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	GS-21	30	12	Violet			VLOCM0315	
90	GS-21	45	18	Undyed			VLOCM3225	
90	GS-21	45	18	Violet			VLOCM0325†	
90	GS-21	58	23	Violet			VLOCM0335†	
90	GS-21	30	12	Violet				VLOCM0316†
90	GS-21	45	18	Violet				VLOCM0326†
90	GS-21	55	22	Violet				VLOCM0336†
90	GS-21	45	18	Undyed				VLOCM3326†
90	GS-21	55	22	Undyed				VLOCM3336†
90	GS-22	30	12	Violet			VLOCM2115	
90	GS-22	45	18	Violet				VLOCM2126†
90	GS-22	55	22	Violet				VLOCM2136†
90	GS-22	30	12	Violet				VLOCM2116†
90	GS-24	45	18	Violet				VLOCM4726†
90	GS-25	55	22	Violet				VLOCM0436†
90	V-20	45	18	Violet			VLOCM0625	
90	V-20	58	23	Violet			VLOCM0635†	

Hysterectomy (open/LAP/robotic)

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-21	45	18	Green			VLOCL0325	VLOCL0326
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-21	45	18	Undyed			VLOCM3325	
90	GS-21	23	9	Violet				VLOCM0346†
90	GS-21	15	6	Violet				VLOCM0306†
90	GS-22	23	9	Violet			VLOCM2145	
90	GS-22	23	9	Undyed			VLOCM2245	
90	GS-22	30	12	Violet			VLOCM2115	
90	GS-22	15	6	Violet				VLOCM2106†
90	GS-22	23	9	Violet				VLOCM2146†

†New V-Loc™ device code.



Obstetrics/gynecology (cont'd.)

Myomectomy (open/LAP/robotic)

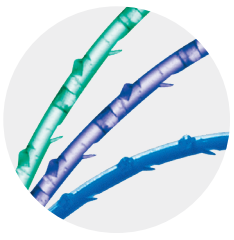
Uterus

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-25	45	18	Green				VLOCL0426
180	GS-25	60	24	Green				VLOCL0436
180	GS-21	30	12	Green			VLOCL0315	VLOCL0316
180	V-20	30	12	Green		VLOCL0614	VLOCL0615	
180	V-20	45	18	Green		VLOCL0624	VLOCL0625	
180	GS-21	45	18	Green			VLOCL0325	VLOCL0326
180	GS-21	60	24	Green			VLOCL0335	VLOCL0336
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	
90	GS-21	45	18	Undyed			VLOCM3225	
90	GS-21	23	9	Violet				VLOCM0346†
90	GS-21	15	6	Violet				VLOCM0306†
90	GS-22	15	6	Violet				VLOCM2106†
90	GS-22	23	9	Violet				VLOCM2146†

C-section/hysterectomy/myomectomy (open)

Subcutaneous

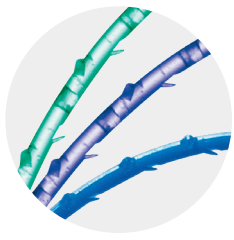
V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	GS-21	30	12	Green			VLOCL0315	VLOCL0316
180	GS-21	45	18	Green			VLOCL0325	VLOCL0326
180	GS-21	60	24	Green			VLOCL0335	VLOCL0336
90	GS-21	30	12	Violet			VLOCM0315	
90	GS-21	45	18	Violet			VLOCM3225	
90	GS-21	45	18	Violet			VLOCM0325	
90	GS-21	58	23	Violet			VLOCM0335†	
90	GS-22	23	9	Violet			VLOCM2145	
90	GS-22	30	12	Violet			VLOCM2115	
90	V-20	45	18	Violet			VLOCM0625	
90	V-20	58	23	Violet			VLOCM0635†	
90	CV-23	30	12	Violet		VLOCM0814		



Obstetrics/gynecology (cont'd.)

Subcuticular

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	P-14	45	18	Undyed	VLOCM0123	VLOCM0124		
90	P-14	60	23	Undyed	VLOCM0133	VLOCM0034		
90	P-12	45	18	Undyed	VLOCM0023	VLOCM0024		
90	P-12	60	23	Undyed	VLOCM0033	VLOCM0034		
90	SC-1	45	18	Undyed		VLOCM1624		
90	SC-2	45	18	Undyed	VLOCM0223	VLOCM0224		



Urology

Prostatectomy (robotic)

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

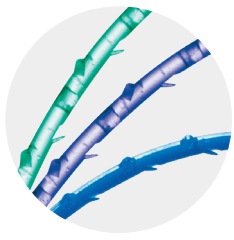
Renorrhaphy (kidney closure in partial)

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			



Cardiovascular

CABG

Sternal closure and vein harvesting

Subcutaneous

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
180	GS-21	45	18	Green			VLOCL0325	
180	V-20	45	18	Green			VLOCL0625	
90	GS-21	45	18	Violet			VLOCM0325	
90	GS-21	58	23	Violet			VLOCM0335†	
90	V-20	58	23	Violet			VLOCM0635†	

Subcuticular

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	P-14	45	18	Undyed		VLOCM0124		
90	P-12	45	18	Undyed	VLOCM0023	VLOCM0024		
90	P-12	58	23	Undyed	VLOCM0033			

Thoracic

Subcuticular

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	P-12	30	12	Undyed	VLOCM0013			
90	P-12	45	18	Undyed	VLOCM0023	VLOCM0024		
90	P-14	45	18	Undyed		VLOCM0124		

Pacemaker implant

Pocket closure

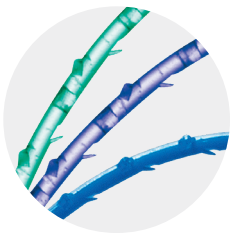
Subcutaneous

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	GS-21	15	6	Violet			VLOCM0305	
90	GS-21	23	9	Violet			VLOCM0345	
90	GS-21	30	12	Violet			VLOCM0315	
90	V-20	15	6	Violet		VLOCM2004		
90	V-20	23	9	Violet		VLOCM0644		

Subcuticular

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	P-12	15	6	Undyed	VLOCM0003			
90	P-12	30	12	Undyed	VLOCM0013	VLOCM0014		
90	SC-1	45	18	Undyed		VLOCM1624		
90	SC-2	45	18	Undyed		VLOCM0224		

†New V-Loc™ device code.



Spinal cord stimulation

Neurostimulator implant

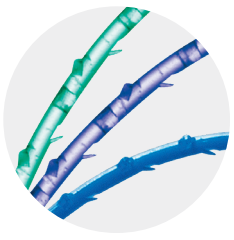
Pocket closure

Subcutaneous

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	GS-21	15	6	Violet			VLOCM0305	
90	GS-21	23	9	Violet			VLOCM0345	
90	GS-21	30	12	Violet			VLOCM0315	
90	V-20	15	6	Violet		VLOCM2004		
90	V-20	23	9	Violet		VLOCM0644		

Subcuticular

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	P-12	15	6	Undyed	VLOCM0003			
90	P-12	30	12	Undyed	VLOCM0013	VLOCM0014		
90	SC-1	45	18	Undyed		VLOCM1624		
90	SC-2	45	18	Undyed		VLOCM0224		



Dermatology

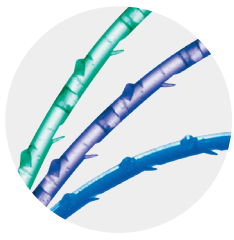
Tissue excision and soft tissue repair

Subcutaneous

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	GS-21	15	6	Violet			VLOCM0305	
90	GS-21	23	9	Violet			VLOCM0345	
90	GS-21	30	12	Violet			VLOCM0315	
90	V-20	15	6	Violet		VLOCM2004		
90	V-20	23	9	Violet		VLOCM0644		

Subcuticular

V-Loc™ device family	Needle	Suture			4-0	3-0	2-0	0
		Length (cm)	Length (in)	Color				
90	P-12	15	6	Undyed	VLOCM0003			
90	P-12	30	12	Undyed	VLOCM0013	VLOCM0014		
90	SC-1	45	18	Undyed		VLOCM1624		
90	SC-2	45	18	Undyed		VLOCM0224		



Surgical needle and trocar guide⁶

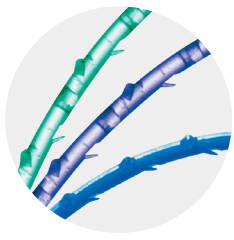
V-loc™ wound closure device

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 manufactures. This table summarizes the testing results of our surgical suture needles and the ability to smoothly pass through our VersaOne™ access system trocars.⁶

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

† 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	Ethicon 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 device ⁸	V-Loc™ 180 device ⁹	V-Loc™ PBT non-absorbable device ¹⁰
Tensile strength	14 days	21 days	Permanent
Absorption profile	90-110 days	180 days	Permanent
Procedural applications	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	Undyed, violet 	Undyed, green 	Blue 
Composition	Glycolide, dioxanone and trimethylene carbonate	Copolymer of glycolic acid and trimethylene carbonate	Polybutester
Indications	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)

V-loc™ wound closure device is not intended to be used by tying surgical knots and should not be used for interrupted suture patterns. As with all surgical sutures, adverse effects include but are not limited to wound dehiscence, and failure to provide adequate wound support in sites where expansion, stretching, or distention occur. Please refer to IFU for complete contraindication and risk information.

1. Fouda, U. M., Elsetohy, K. A. & Elshaer, H. S. Barbed Versus Conventional Suture: A Randomized Trial for Suturing the Endometrioma Bed After Laparoscopic Excision of Ovarian Endometrioma. *J. Minim. Invasive Gynecol.* 2016; 23(6), 962-8.
2. Song T, Kim TJ, Kim WY, Lee SH. Comparison of barbed suture versus traditional suture in laparoscopic single-site myomectomy. *Eur J Obstet Gynecol Reprod Biol.* 2015;185:99-102.
3. Zaruby J, Gingras K, Taylor J, Maul D. An in vivo comparison of barbed suture devices and conventional monofilament sutures for cosmetic skin closure: biomechanical wound strength and histology. *Aesth Surg J.* 2011;31(2):232-240.
4. Based on internal test report# RE00186732. Medtronic vs Ethicon barbed suture benchtop test evaluation. January 2019.
5. Gingras K, Zaruby J, Maul D. Comparison of V-Loc™ 180 wound closure device and Stratafix™ Spiral knotless tissue-closure device for intradermal closure in a porcine in vivo model: evaluation of biomechanical wound strength. *J Biomed Mater Res Part B Appl Biomater.* 2012;100(4):1053-1058.
6. Based on internal test report #RE00319320. V-Loc™ Needle compatibility with VersaOne™ Trocars, April 2021.
7. Zorn K, Trinh Q, Jeldres C, et al. Prospective randomized trial of barbed polyglyconate suture to facilitate vesicourethral anastomosis during robot-assisted radical prostatectomy: time reduction and cost benefit. *BJU International.* 2011;109:1526-1532.
8. V-Loc™ 90 device [instructions for use]. Medtronic.
9. V-Loc™ 180 device [instructions for use]. Medtronic.
10. V-Loc™ PBT non-absorbable device [instructions for use]. Medtronic.

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555 Long Wharf Drive
New Haven, CT 06511
508.261.8000
800.722.8772

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