THE SECURE ADVANTAGE

V-Loc™ device knotless barbed suture

V-Loc™ wound closure device and V-Loc™ reload for use with Endo Stitch™ suturing device and SILS™ stitch suturing device
The V-Loc™ wound closure device is a barbing technology that digitally cuts dual-angle barbs into a traditional monofilament suture. When passed through tissue, the barbs approximate tissue and evenly distribute tension throughout the wound. This technology eliminates the need to tie knots while securely closing the incision. It is backed by four years of clinical experience and supported by level-one evidence. The V-Loc™ device is available in absorbable and nonabsorbable configurations.


Barbing pattern
In a prospective study, when compared to traditional suture, the V-Loc™ device provides:

- 34% reduction in the time required to repair the uterine wall defect
- 43% reduction in surgical difficulty
- 33% less blood loss
- Elimination of need for a third hand to maintain tension on the suture line

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**Barbing pattern**

The V-Loc™ device utilizes a dual-angle cut which creates a superior anchoring barb while optimizing the strand’s integrity.

### Dual-Angle Cut

Produces barbs with strong anchoring force while preserving the integrity of the strand’s strength.

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Barbing pattern

The V-Loc™ device uses an optimized barbing pattern to maximize the strength of closure.²

• Evenly spaced barbs throughout the strand provide wound closure
• Distribute tension throughout the wound
• Grasp tissue at numerous points spreading tension across the wound
• Differs from competitor because barb pattern is circumferential versus spiral

The V-Loc™ device utilizes the welded loop as an anchor, which enables the unidirectional device to be used as a traditional suture.

- Anchors device and eliminates the need to tie a knot
- Intuitive because suturing technique does not change
- Quick and easy to use
A VARIETY OF V-LOC™ DEVICE OPTIONS AVAILABLE

<table>
<thead>
<tr>
<th>Composition</th>
<th>Tensile Strength</th>
<th>Absorption Profile</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>V-Loc™ 90</strong></td>
<td>Glycolide dioxanone and trimethylene carbonate</td>
<td>7 days, 90% 14 days, 75% 21 days, 65%</td>
<td>90-110 days</td>
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<tr>
<td><strong>V-Loc™ 180</strong></td>
<td>Copolymer of glycolic acid and trimethylene carbonate</td>
<td>7 days, 80% 14 days, 75% 21 days, 65%</td>
<td>180 days</td>
</tr>
<tr>
<td><strong>V-Loc™ PBT</strong></td>
<td>Polybutester</td>
<td>Permanent</td>
<td>Permanent</td>
</tr>
</tbody>
</table>
We offer V-Loc™ technology in two different configurations:

- The V-Loc™ device
- The V-Loc™ reload for Endo Stitch™ device
WHY SURGEONS USE THE V-LOC™ DEVICE

Key benefits
- Knotless; potential to reduce knot-related complications
- Distributes tension throughout the wound
- Closes dermal wounds up to 50% faster than traditional suture

Applications
- Laparoscopic with needle drive
- Robotic assisted procedures
- Open procedures


*V-LOC™ 90 AND V-LOC™ 180 DEVICES PROCEDURAL USE*

V-Loc™ 90 and V-Loc™ 180 devices are applicable in open and laparoscopic gynecologic procedures.

**SECURE**
- Distributes tension across the wound without the need to tie knots
- Holds the wound edges together, eliminating the need for a third hand

**FAST**
- Closes dermal wounds faster than standard suturing technique5,6

**EFFECTIVE**
- Approximates tissue — no need to keep tension on suture line

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THE BENEFITS OF LAPAROSCOPIC SUTURING

By combining automated needle-passing technology with a knotless suturing device, using the V-Loc™ device with the Endo Stitch™ device and SILS™ stitch can offer a number of benefits over hand suturing and conventional automated suturing options.

Suturing time savings:
- Elimination of knot-tying saves 35–42% of intracorporeal suturing time.
- Suturing devices can save 45–70% of laparoscopic suturing time.

A simple approach to suturing:
- Decreases challenge of maintaining adequate tension of the suture line.
- One-handed auto suturing device is easy to operate, even in tight spaces.
- Easy to approximate wound edges as the tissue remains together.

Easy to learn:
- For current Endo Stitch™ device users, no suturing technique change required. Eliminating tying knots may enable faster suturing.
- For new users, Endo Stitch™ device is easier to learn because there is no need to tie knots.


WHY SURGEONS USE THE ENDO STITCH™ DEVICE

Key benefits
- Ease of use
- Speed (45–70% laparoscopic suturing time savings)\(^8\)–\(^11\)
- Convenience
- One-handed operation
- Ability to work in a tight space

Functionality
- Intracorporeal suturing
  - Interrupted stitch
  - Continuous (running) stitch
- Extracorporeal suturing (as a knot pusher with jaws closed)
- Works with both traditional suture and V-Loc™ reloads


**V-LOC™ RELOADS FOR ENDO STITCH™ DEVICE**

V-Loc™ reload for the Endo Stitch™ device is applicable in laparoscopic gynecologic procedures

**Simplicity in laparoscopic suturing:**

- Suturing time savings
- Simple approach to suturing
- Easy to learn

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In inpatient TLH procedures for benign disease, the use of Endo Stitch™ automated suturing device:

- Is associated with lower mean total cost (~ $2000 less) and shorter OR time (~ 40 min less), when compared to robotic-assisted TLH procedures.\(^\text{12}\)
- Is associated with shorter OR time (~ 20 min less), and no difference in mean total cost, when compared to traditional laparoscopic surgery in TLH procedures.\(^\text{12}\)

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V-LOC™ RELOAD FOR USE WITH ENDO STITCH™ DEVICE AND SILS™ STITCH SUTURING DEVICE

The V-Loc™ reload is compatible with all of our suturing devices.

SILSSTITCH — SILS™ Stitch Single-Use Articulating Endoscopic Suturing Device

173016 — Endo Stitch™ 10 mm Suturing Device

173027 — Endo Stitch™ Short