> Standard or Over-The-Wire Delivery

The only IVC filter cleared by the FDA for over-the-wire delivery

- The unique filter design allows for delivery over a wire ≤ .035" using the standard kit components.
- The wire acts as a guide to deploy the filter straight and in the center of the IVC positioning it for easier retrieval.
- Over-the-wire delivery provides stability to the apex during deployment for precise and predictable positioning in IVC.

V•Stick Vascular Access Sets include:
- .018" stainless steel or nitinol guidewire with a seamless transition to a floppy tip
- Standard or stiff coaxial introducers with a smooth transition to a 4 Fr or 5 Fr sheath.
- 24 Va Ultra Ultra epoxy needle with an echogenic or non-echogenic tip.

> More Access for Delivery

The only IVC filter cleared by the FDA for delivery via jugular, femoral, antecubital, and popliteal access.

- Save time while providing PE protection during DVT treatment by delivering the OptionELITE via popliteal access to avoid repositioning and redraping the patient.

> For Temporary or Permanent Placement

- Unique anchor and apex design makes retrieval easy when the need for PE protection subsides.
- A robust design with an established positive safety profile provides confidence for long-term PE protection.

> Access

V•Stick Vascular Access Sets include:
- .018" stainless steel or nitinol guidewire with a seamless transition to a floppy tip.
- Standard or stiff coaxial introducers with a smooth transition to a 4 Fr or 5 Fr sheath.
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<th>DIAMETER</th>
<th>LENGTH</th>
<th>TIP</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUALITY</td>
<td>CATALOG #</td>
<td>LOOP DIAMETER</td>
<td>SHAFT LENGTH</td>
<td>DEPTN</td>
<td>OUT LIN SIZE</td>
<td>LENGTH</td>
</tr>
<tr>
<td>QUALITY</td>
<td>CATALOG #</td>
<td>LOOP DIAMETER</td>
<td>SHAFT LENGTH</td>
<td>DEPTN</td>
<td>OUT LIN SIZE</td>
<td>LENGTH</td>
</tr>
</tbody>
</table>

> Maintain

Maintain vascular access or deliver using the over-the-wire technique, with one of the following introducers:

<table>
<thead>
<tr>
<th>QUALITY</th>
<th>CATALOG #</th>
<th>DESCRIPTION</th>
<th>DIAMETER</th>
<th>LENGTH</th>
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<tbody>
<tr>
<td>QUALITY</td>
<td>CATALOG #</td>
<td>LOOP DIAMETER</td>
<td>SHAFT LENGTH</td>
<td>DEPTN</td>
<td>OUT LIN SIZE</td>
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</table>

> Retrieve

The Atrieve™ vascular snare provides:
- 3 independent low-profile loops for complete vessel coverage
- Platinum-stranded loops for excellent fluoroscopic visualization
- Nitinol construction providing 3:1 torque for easy,atraumatic removal

<table>
<thead>
<tr>
<th>QUALITY</th>
<th>CATALOG #</th>
<th>LOOP DIAMETER</th>
<th>SHAFT LENGTH</th>
<th>DEPTN</th>
<th>OUT LIN SIZE</th>
<th>LENGTH</th>
<th>OTHER LIN SIZE</th>
<th>OVER LIN SIZE</th>
<th>MATERIAL</th>
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</thead>
<tbody>
<tr>
<td>QUALITY</td>
<td>CATALOG #</td>
<td>LOOP DIAMETER</td>
<td>SHAFT LENGTH</td>
<td>DEPTN</td>
<td>OUT LIN SIZE</td>
<td>LENGTH</td>
<td>OTHER LIN SIZE</td>
<td>OVER LIN SIZE</td>
<td>MATERIAL</td>
</tr>
</tbody>
</table>

> Indicated for:

- Temporary or Permanent placement
- Standard or Over-The-Wire Delivery
- Jugular, Femoral, Antecubital, and Popliteal Access
1. The Safety and Effectiveness of the Retrievable Option™ Vena Cava Filter: A United States, Prospective Multicenter Clinical Study


**Robust Construction**
- Single-piece design to reduce the risk of fracture caused by bending stress
- Laser-cut from a nitinol hypotube to reduce the risk of fracture caused by cyclic stress
- Electropolished to improve surface quality and finish

**Stability and Security**
- Curved anchors for cranial migration prevention
- Grips for caudal migration prevention
- Leg extensions for perforation prevention
- Provides stability in cavas up to 30mm in diameter

**Easy Retrieval**
- Snares the body, not just the hook (transitionless)
- Shiny hook design that will not deform during retrieval
- Six retention anchors for stability in the IVC and ease of retrievability

**Versatile Design**

Over five years of positive clinical data; 100% technical and retrieval success with 0 fractures and 0 migrations in a recent 165-patient study

<table>
<thead>
<tr>
<th>Initial Clinical Trial Results (2010) for the Option IVC Filter</th>
<th>100 Patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0% Migration</td>
<td>0.0% Fractures</td>
</tr>
<tr>
<td>1.0% Perforations</td>
<td>3.0% Occlusion</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IVC Filter Performance Data (2012) from Mass General</th>
<th>165 Patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0% Migration</td>
<td>0.0% Fractures</td>
</tr>
<tr>
<td>1.2% Perforations</td>
<td>0.6% Occlusion</td>
</tr>
</tbody>
</table>

**Universal Components**

**Delivery Sheath**
- Low-profile design with a 5 Fr ID
- Integrated side port for hand injections
- Hemostatic valve to prevent bleed-back

**Dilator**
- Reference radiopaque markers spaced 32mm apart
- Side holes arranged in a helix for power injections

**Curved Pusher**
- Aids centering and resists tilt during standard delivery

**Cartridge**
- Universal color-coded cartridge for Jugular/Femoral placements

**Valve Cap**
- Prevents leaking during post-placement cavagrams

**ORDERING INFORMATION**

- OptionELITE Vena Cava Filter System
- 352506070E 70 cm Delivery Sheath for Jugular or Femoral Placements
- 352506100E 100 cm Delivery Sheath for Antecubital or Popliteal Placements
- 905000670E OptionELITE Vena Cava Filter System
- 200 cm Delivery Sheath for Antecubital or Popliteal Placements
1. The Safety and Effectiveness of the Retrievable Option™ Vena Cava Filter: A United States, Prospective Multicenter Clinical Study


Robust Construction
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Stability and Security
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- Grips for caudal migration prevention
- Leg extensions for perforation prevention
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Easy Retrieval
- Snake the body, not just the hook (transitionless)
- Stable hook design that will not deform during retrieval
- Six retention anchors for stability in the IVC and ease of retrievability

> Versatile Design

Versatile Design
- Universal Components

Delivery Sheath
- Low profile design with a 5 Fr ID
- Integrated side port for hand injections
- Hemostatic valve to prevent bleed-back

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Over five years of positive clinical data; 100% technical and retrieval success with 0 fractures and 0 migrations in a recent 165-patient study

ORDERING INFORMATION
- 352506070E Option ELITE Vena Cava Filter System 70 cm Delivery Sheath for Jugular or Femoral Placements
- 352506100E Option ELITE Vena Cava Filter System 100 cm Delivery Sheath for Antecubital or Popliteal Placements

IVC Filter Performance Data (2012) from Mass General | 165 Patients
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Over five years of positive clinical data; 100% technical and retrieval success with 0 fractures and 0 migrations in a recent 165-patient study

> Universal Components

Delivery Sheath
- Low profile design with a 5 Fr ID
- Integrated side port for hand injections
- Hemostatic valve to prevent bleed-back

Dilator
- Reference radiopaque markers spaced 32mm apart
- Side holes arranged in a helix for power injections

Curved Pusher
- Aids centering and resists tilt during standard delivery

Cartridge
- Universal color-coded cartridge for Jugular/Femoral placements

Valve Cap
- Prevents leaking during post-placement cavagrams

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- 352506070E Option ELITE Vena Cava Filter System 70 cm Delivery Sheath for Jugular or Femoral Placements
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Dilator
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Robust Construction
- Single-piece design to reduce the risk of fracture caused by bending stress.
- Laser-cut from a nitinol hypotube to reduce the risk of fracture caused by cyclic stress.
- Electropolished to improve surface quality and finish.

Stability and Security
- Curved anchors for cranial migration prevention.
- Grips for caudal migration prevention.
- Leg extensions for perforation prevention.
- Provides stability in veins up to 30mm in diameter.
- Snare the body, not just the hook (transitionless).

Easy Retrieval
- Single-piece design to reduce the risk of fracture caused by bending stress.
- Laser-cut from a nitinol hypotube to reduce the risk of fracture caused by cyclic stress.
- Electropolished to improve surface quality and finish.

Versatile Design
- Over five years of positive clinical data; 100% technical and retrieval success with 0 fractures and 0 migrations in a recent 165-patient study.

Initial Clinical Trial Results (2010) for the Option IVC Filter: 100 Patients
- 2.0% Migration
- 0.0% Fractures
- 1.0% Perforations
- 3.0% Occlusion

IVC Filter Performance Data (2012) from Mass General: 165 Patients
- 0.0% Migration
- 0.0% Fractures
- 1.2% Perforations
- 0.6% Occlusion

ORDERING INFORMATION
- 352506070E: OptionELITE Vena Cava Filter System 70 cm Delivery Sheath for Jugular or Femoral Placements
- 352506100E: OptionELITE Vena Cava Filter System 100 cm Delivery Sheath for Antecubital or Popliteal Placements
> Standard or Over-The-Wire Delivery

The only conical retrievable IVC filter cleared by the FDA for over-the-wire delivery

- The unique filter design allows for delivery over a wire ≤ .035” using the standard kit components
- The wire acts as a guide to deploy the filter straight and in the center of the IVC positioning it for easier retrieval
- Over-the-wire delivery provides stability to the apex during deployment for precise and predictable positioning in IVC

> More Access for Delivery

The only IVC filter cleared by the FDA for delivery via jugular, femoral, antecubital, and popliteal access.

- Save time while providing PE protection during DVT treatment by delivering the OptionELITE via popliteal access to avoid repositioning and redraping the patient

> For Temporary or Permanent Placement

- Unique anchor and apex design makes retrieval easy when the need for PE protection subsides
- A robust design with an established positive safety profile provides confidence for long-term PE protection

> Access

V·Stick® Vascular Access Sets include:

- 0.018” stainless steel or nitinol guidewire with a seamless transition to a floppy tip
- 0.035” stainless steel or nitinol guidewire with a smooth transition to a 6 Fr or 7 Fr sheath
- 21G Ultra sharp needle with or without echogenic or non-echogenic tip

<table>
<thead>
<tr>
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<th>TIP</th>
<th>MATERIAL</th>
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</thead>
<tbody>
<tr>
<td>QUALITY</td>
<td>395369</td>
<td>Fixed Core with PTFE coating</td>
<td>.035”</td>
<td>260cm</td>
<td>Straight</td>
<td>Stainless Steel</td>
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<tr>
<td>QUALITY</td>
<td>395370</td>
<td>Fixed Core with PTFE coating</td>
<td>.038”</td>
<td>260cm</td>
<td>Straight</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>QUALITY</td>
<td>395722</td>
<td>Fixed Core with PTFE coating</td>
<td>.035”</td>
<td>200cm</td>
<td>3mm J-Tip</td>
<td>Stainless Steel</td>
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<tr>
<td>QUALITY</td>
<td>395794</td>
<td>Fixed Core with PTFE coating</td>
<td>.038”</td>
<td>260cm</td>
<td>3mm J-Tip</td>
<td>Stainless Steel</td>
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<tr>
<td>QUALITY</td>
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<td>Bentson Wire with PTFE coating</td>
<td>.035”</td>
<td>180cm</td>
<td>Straight</td>
<td>Stainless Steel</td>
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> Maintain

Maintain vascular access or deliver using the over-the-wire techniques, with one of the following guidewires.

<table>
<thead>
<tr>
<th>QUALITY</th>
<th>CATALOG #</th>
<th>LOOP DIAMETER</th>
<th>SHAFT LENGTH</th>
<th>DIAMETER</th>
<th>CATHETER SIZE</th>
<th>LENGTH</th>
<th>INNER DIAMETER</th>
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<tbody>
<tr>
<td>QUALITY</td>
<td>382006020</td>
<td>12-20mm</td>
<td>120cm</td>
<td>0.026in</td>
<td>6 Fr</td>
<td>100cm</td>
<td>0.062in</td>
</tr>
<tr>
<td>QUALITY</td>
<td>382007030</td>
<td>18-30mm</td>
<td>120cm</td>
<td>0.026in</td>
<td>7 Fr</td>
<td>100cm</td>
<td>0.074in</td>
</tr>
<tr>
<td>QUALITY</td>
<td>382007045</td>
<td>27-45mm</td>
<td>120cm</td>
<td>0.026in</td>
<td>7 Fr</td>
<td>100cm</td>
<td>0.074in</td>
</tr>
</tbody>
</table>

> Retrieve

The Atrieve™ Vascular Snare provides:

- 3 independent low-profile loops for complete vessel coverage
- Platinum-stranded loops for excellent fluoroscopic visualization
- Nitinol construction providing 1:1 torque for easy, tunable deployment

<table>
<thead>
<tr>
<th>QUALITY</th>
<th>CATALOG #</th>
<th>LOOP OPENING</th>
<th>LOOP LENGTH</th>
<th>OPENING DIAM.</th>
<th>OPENING SIZE</th>
<th>LENGTH</th>
<th>OUTER DIAMETER</th>
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<tbody>
<tr>
<td>QUALITY</td>
<td>38056020</td>
<td>12-20mm</td>
<td>120mm</td>
<td>0.036in</td>
<td>6 Fr</td>
<td>100mm</td>
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Indicated for:

- Temporary or Permanent placement
- Standard or Over-The-Wire Delivery
- Jugular, Femoral, Antecubital, and Popliteal Access
> **Standard or Over-The-Wire Delivery**

The only conical retrievable IVC filter cleared by the FDA for over-the-wire delivery

- The unique filter design allows for delivery over a wire ≤ .035" using the standard kit components.
- The wire acts as a guide to deploy the filter straight and in the center of the IVC positioning it for easier retrieval.
- Over-the-wire delivery provides stability to the apex during deployment for precise and predictable positioning in IVC.

> **More Access for Delivery**

The only IVC filter cleared by the FDA for delivery via jugular, femoral, antecubital, and popliteal access.

- Save time while providing PE protection during DVT treatment by delivering the OptionELITE via popliteal access to avoid repackaging and redraping the patient.

> **For Temporary or Permanent Placement**

- Unique anchor and apex design makes retrieval easy when the need for PE protection subsides.
- A robust design with an established positive safety profile provides confidence for long-term PE protection.

---

> **Access**

V∙Stick™ Vascular Access Sets include:

- A interchangeable introducer guide wire with a seamless transition to a floppy tip
- A flexible stainless steel or nitinol wire with a smooth transition to a 4 Fr or 5 Fr sheath.
- 224 Ultra-thin needles with echogenic or non-echogenic tip.

---

> **Maintain**

Maintain vascular access or deliver using the over-the-wire technique with any of the following filters.

---

> **Retrieve**

The Atrieve™ Vascular Snare provides:

- 3 independent low-profile loops for complete vessel coverage
- Platinum-stranded loops for excellent fluoroscopic visualization
- Nitinol construction providing ≤ .035" diameter for easy halo removal.

---

> **Versatility and Proven Safety**

OptionELITE Reusable Vena Cava Filter

Indicated for:

- Temporary or Permanent placement
- Standard or Over-The-Wire Delivery
- Jugular, Femoral, Antecubital, and Popliteal Access