AVM Microclip System
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1968
1st generation of Yasargil® Aneurysm Clips made of stainless implant steel.

1970
Advanced clip with alpha coil design and ring lock.

1983
Next generation clip made of non-ferromagnetic Phynox with box lock.

1995
Titanium clips for improved post-operative imaging.

2004
AVM Microclip introduced.
A complete product program

Aesculap offers AVM clips in both straight and curved patterns. Clips are available in 2, 3, 4 and 5 mm blade lengths.

Temporary or permanent application

Depending on the intraoperative situation, AVM clips can be applied temporarily and removed after the operation or simply left on the vessel as permanent implants.

Indications for Use:

The Aesculap AVM Microclips are intended for intracranial vascular occlusion (permanent or temporary) of small vessels. The Aesculap AVM Microclips Applier is intended for holding and applying intracranial AVM Microclips. See indication for use for additional information including warnings and precautions.

Rx only.

Phynox: A proven material

All AVM Microclips are made of Phynox, a special cobalt-based alloy. This material has been used for manufacturing Yasargil® Aneurysm Clips for over 30 years. It is characterized by its excellent biocompatibility and MR-safety. This MR-safe material allows safe postoperative radiological examinations at up to 1.5 Tesla.*

Secure grip

All AVM Microclips exert a pre-defined closing force of between 50 and 70 grams. They also feature a special, pyramid-shaped structure stamped on the inner blade surfaces. This allows the tissue to sink in between the pyramid shapes, thereby doubling the contact surface for the tissue and ensuring that the AVM Microclip has a secure grip of the vessel.

An easy-to-use sterilization tool

The clips are available either individually packed or in 4-packs. They are supplied in non-sterile, ergonomically shaped plastic disks, which can be autoclaved as a whole. Within this packaging, the clip is housed in a small silicone sponge in such a way that the clip applier itself can be used for grasping and taking the clip from the packaging. This new package also allows for convenient resterilization of unused clips.

*Tested per ASTM F2052
### AVM Microclips straight, closing force between 50 g and 70 g

<table>
<thead>
<tr>
<th>Blade Length</th>
<th>Max. Opening Width</th>
<th>Single Pack</th>
<th>4-Pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 mm, 1/16&quot;</td>
<td>1.5 mm, 1/17&quot;</td>
<td>FE902K</td>
<td>FE922K</td>
</tr>
<tr>
<td>3 mm, 1/8&quot;</td>
<td>1.7 mm, 1/15&quot;</td>
<td>FE903K</td>
<td>FE923K</td>
</tr>
<tr>
<td>4 mm, 1/6&quot;</td>
<td>2.0 mm, 1/13&quot;</td>
<td>FE904K</td>
<td>FE924K</td>
</tr>
<tr>
<td>5 mm, 1/6&quot;</td>
<td>2.3 mm, 1/11&quot;</td>
<td>FE905K</td>
<td>FE925K</td>
</tr>
</tbody>
</table>

### AVM Microclips curved, closing force between 50 g and 70 g

<table>
<thead>
<tr>
<th>Blade Length</th>
<th>Max. Opening Width</th>
<th>Single Pack</th>
<th>4-Pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 mm, 1/16&quot;</td>
<td>1.5 mm, 1/17&quot;</td>
<td>FE912K</td>
<td>FE932K</td>
</tr>
<tr>
<td>3 mm, 1/8&quot;</td>
<td>1.7 mm, 1/15&quot;</td>
<td>FE913K</td>
<td>FE933K</td>
</tr>
<tr>
<td>4 mm, 1/6&quot;</td>
<td>2.0 mm, 1/13&quot;</td>
<td>FE914K</td>
<td>FE934K</td>
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<tr>
<td>5 mm, 1/6&quot;</td>
<td>2.3 mm, 1/11&quot;</td>
<td>FE915K</td>
<td>FE935K</td>
</tr>
</tbody>
</table>
Disassembly
For thorough cleaning, the XS-design AVM Applier can be separated into 3 parts. Each applier is supplied with a small cleaning brush.
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AVM Clip Appliers – Bayonet Design

**FE917K**
Working length 70 mm, 2¾"

**FE918K**
Working length 90 mm, 3½"

**MD382**
AVM Clip Storage Tray

This tray simplifies the organization and storage of AVM clips. The tray also accommodates two AVM clip appliers.