

ORDER INFORMATION  
BESTELLINFORMATION

| Sizes / Größen | Content / Inhalt | Art. No. / Art. Nr. |             |
|----------------|------------------|---------------------|-------------|
|                |                  | Neuro-Patch®        | Lyoplant® * |
| 12 x 14 cm     | 1 piece / Stück  | 106 4002            | –           |
| 6 x 14 cm      | 1 piece / Stück  | 106 4010            | 106 6021    |
| 8 x 9 cm       | 1 piece / Stück  | 106 4020            | 106 6030    |
| 6 x 8 cm       | 1 piece / Stück  | 106 4029            | 106 6242    |
| 5 x 6 cm       | 1 piece / Stück  | 106 4040            | 106 6050    |
| 4 x 10 cm      | 1 piece / Stück  | 106 4037            | 106 6048    |
| 4 x 5 cm       | 2 pieces / Stück | 106 4045            | 106 6064    |
| 2 x 10 cm      | 2 pieces / Stück | 106 4053            | 106 6080    |
| 1.5 x 3 cm     | 2 pieces / Stück | 106 4061            | 106 6102    |

\* To improve smoothness and flexibility, Lyoplant® material is rehydrated prior to implantation.  
\* Lyoplant® wird vor der Implantation rehydriert, um eine bessere Geschmeidigkeit und Flexibilität zu erhalten.

REFERENCES  
NACHWEISE

For the references 1–9 of the safety and performance claims on Neuro-Patch®, please visit our website or use the QR code:

Für die Nachweise 1–9 der Aussagen zur Sicherheit und Leistungsfähigkeit von Neuro-Patch® besuchen Sie bitte unsere Website oder nutzen Sie den QR-Code:

<https://www.bbraun.com/en/products/b1/neuro-patch.html>



For the references 10–14 of the safety and performance claims on Lyoplant®, please visit our website or use the QR code:

Für die Nachweise 10–14 der Aussagen zur Sicherheit und Leistungsfähigkeit von Lyoplant® besuchen Sie bitte unsere Website oder nutzen Sie den QR-Code:

<https://www.bbraun.com/en/products/b0/lyoplant.html>



NEUROSURGERY

AESCULAP® Neuro-Patch® & Lyoplant®  
SUTURABLE DURA SUBSTITUTION  
VERNÄHBARER DURAERSATZ

MODE OF APPLICATION

To achieve tension-free embedding, Neuro-Patch® and Lyoplant® should be cut as closely as possible to the defect size.

Neuro-Patch® and Lyoplant® should be fixed with non-absorbable suture material (polyester, polypropylene). Additionally, it may be secured with fibrin glue.

Atraumatic round-bodied needles allow suturing without significant damage to the implant.

ANWENDUNG

Um ein spannungsfreies Einbetten zu ermöglichen, sollten Neuro-Patch® und Lyoplant® so exakt wie möglich defektbezogen zugeschnitten werden.

Neuro-Patch® und Lyoplant® sollten mit nicht resorbierbarem Nahtmaterial (Polyester, Polypropylen) fixiert werden. Zusätzlich kann mit Fibrinkleber gesichert werden.

Atraumatische, runde Nadeln ermöglichen ein Nähen ohne Schäden am Implantat zu verursachen.

AESCULAP® – a B. Braun brand

Aesculap AG | Am Aesculap-Platz | 78532 Tuttlingen | Germany  
Phone +49 7461 95-0 | Fax +49 7461 95-2600 | [www.aesculap.com](http://www.aesculap.com)

The main product trademark “Aesculap” and the product trademarks “Lyoplant” and “Neuro-Patch” are registered trademarks of Aesculap AG.

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# AESCULAP® Neuro-Patch® & Lyoplant®

SYNTHETIC AND BIOLOGICAL, SUTURABLE DURA SUBSTITUTION  
SYNTHETISCHER UND BIOLOGISCHER, VERNÄHBARER DURAERSATZ



## PRODUCT CHARACTERISTICS

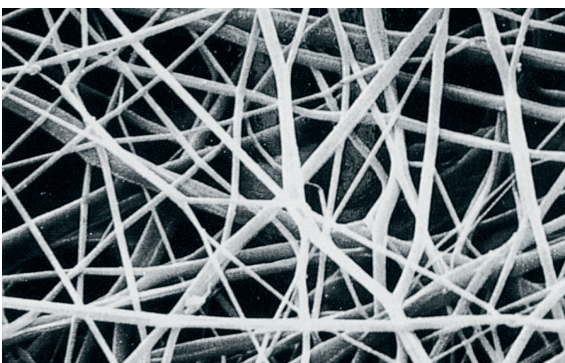
- High liquid tightness of the implant prevents CSF leakages <sup>1,2,3,10</sup>
- Tissue tolerant <sup>4,5,11,12</sup>
- High tensile strength of the implant prevents suture pull out <sup>2,6,12,13</sup>
- Good suturability <sup>2,10,13</sup>
- Adaptable to anatomical structures <sup>1,2,7,10,14</sup>

## PRODUKTEIGENSCHAFTEN

- Hohe Flüssigkeitsdichtigkeit des Implantats beugt CSF Leckagen vor <sup>1,2,3,10</sup>
- Gewebeverträglich <sup>4,5,11,12</sup>
- Hohe Reißfestigkeit des Implantats beugt einem Ausreißen der Naht vor <sup>2,6,12,13</sup>
- Gute Vernäbarkeit <sup>2,10,13</sup>
- Anpassbar an anatomische Strukturen <sup>1,2,7,10,14</sup>

# AESCULAP® Neuro-Patch®

SYNTHETIC, SUTURABLE DURA SUBSTITUTION  
SYNTHETISCHER, VERNÄHBARER DURAERSATZ

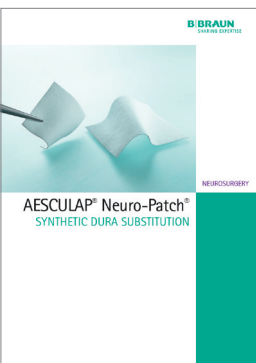


ELASTIC. WELL-TOLERATED. NON-ABSORBABLE. <sup>4,5,8,9</sup>

Neuro-Patch® is a type of fine fibred microporous fleece manufactured from a highly purified polyesterurethane.

An electronically controlled procedure has been developed for producing Neuro-Patch®, in which a dissolved polyesterurethane polymer is sprayed from specialised jets. This produces fibres which are captured at defined angles, producing a fleece-like structure.

The fine fibred microstructure supports the rapid infiltration of connective tissue cells. <sup>5,9</sup>



C87802

Product sample card including a product sample.

Produktmusterkarte mit Produktmuster.

ELASTISCH. VERTRÄGLICH. NICHT RESORBIERBAR. <sup>4,5,8,9</sup>

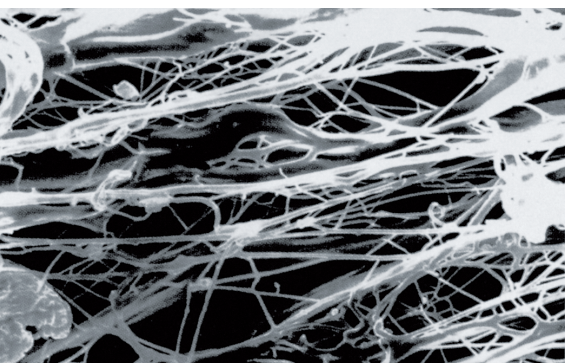
Neuro-Patch® ist ein feinfibrilläres, mikroporöses Vlies, hergestellt aus hochreinem Polyesterurethan.

In einem eigens für Neuro-Patch® entwickelten, elektronisch kontrollierten Produktionsverfahren wird gelöste Polyesterurethan-Polymerlösung aus Spezialdüsen gesprüht. Dadurch entstehen in definiertem Winkel angeordnete Fasern, die eine vliesartige Struktur bilden.

Die feinfibrilläre Mikrostruktur sorgt für eine schnelle Infiltration von Bindegewebezellen. <sup>5,9</sup>

# AESCULAP® Lyoplant®

BIOLOGICAL, SUTURABLE DURA SUBSTITUTION  
BIOLOGISCHER, VERNÄHBARER DURAERSATZ



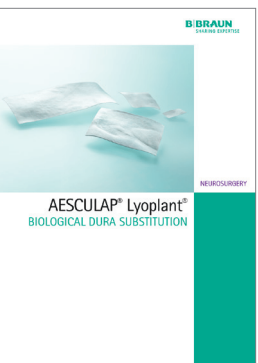
FUNCTIONAL. TEARPROOF. ABSORBABLE. <sup>5,10,11,12,13</sup>

Lyoplant® is a pure collagen implant that is produced from bovine pericardium. This highly purified collagen is known for its low propensity to cause immunological reactions. <sup>11,12,13</sup>

The special and comprehensive manufacturing process eliminates all non-collagenous substances such as fats, enzymes and other non-collagenous proteins.

A controlled lyophilisation (freeze drying) process supports that the loose fibre structure of Lyoplant® is preserved to offer appropriate conditions for integration after implantation.

After implantation, Lyoplant® slowly degrades enzymatically and is substituted by body's own connective tissue.



C87902

Product sample card including a product sample.

Produktmusterkarte mit Produktmuster.

FUNKTIONELL. REISSFEST. RESORBIERBAR. <sup>5,10,11,12,13</sup>

Lyoplant® ist ein reines, aus Rinderperikard hergestelltes Kollagen-Implantat. Dieses hochreine Kollagen ist bekannt für seine geringe Neigung Immunreaktionen auszulösen. <sup>11,12,13</sup>

Das spezielle Herstellungsverfahren sorgt für eine umfassende Entfernung aller nicht-kollagenen Substanzen, wie zum Beispiel Fette, Enzyme, Proteine.

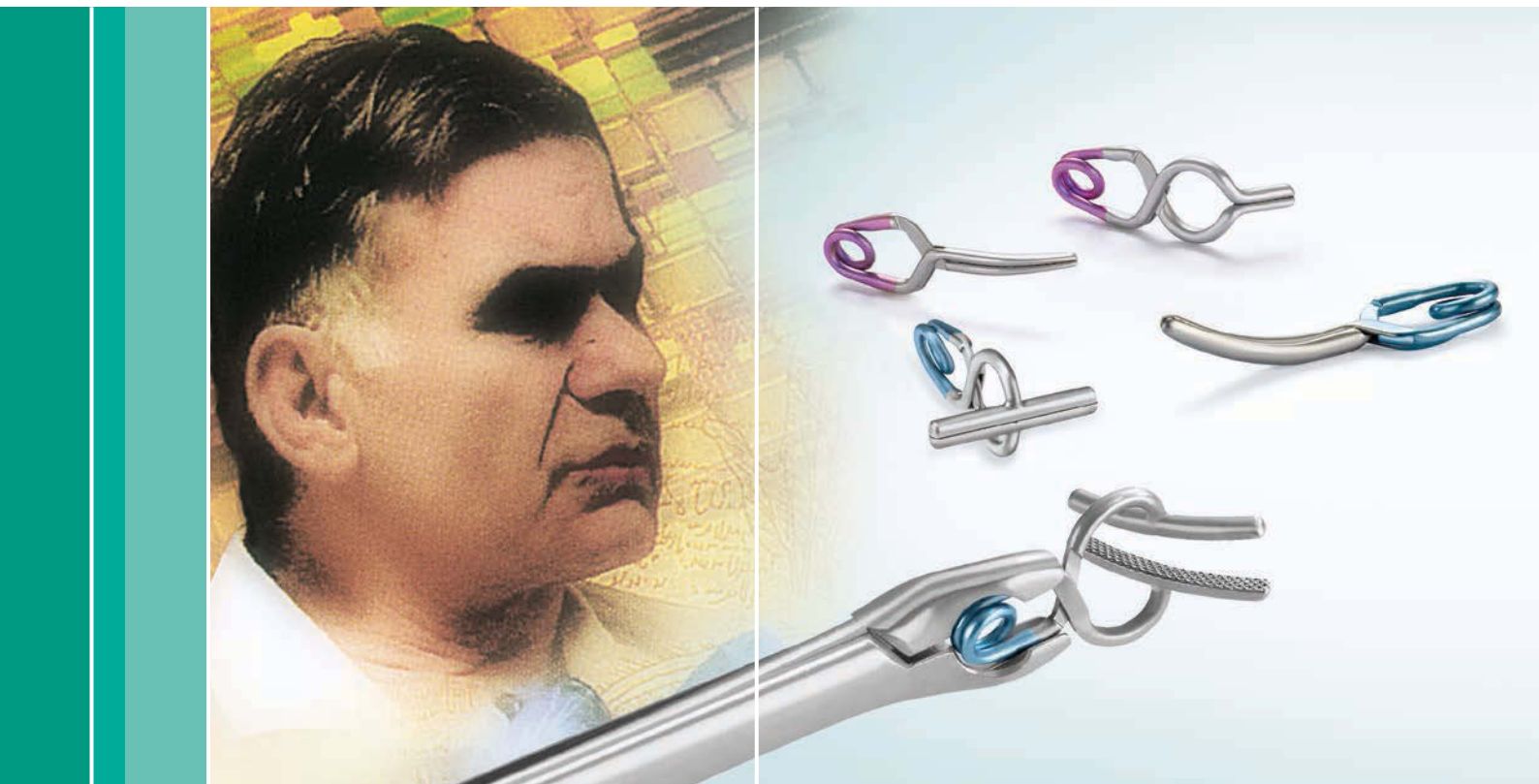
Durch ein kontrolliertes Lyophilisierungsverfahren (Gefriertrocknung) bleibt die lose Faserstruktur erhalten und ermöglicht somit eine schnelle Infiltration der körpereigenen Zellen.

Nach der Implantation wird Lyoplant® langsam enzymatisch abgebaut und durch körpereigenes Bindegewebe ersetzt.



# Aesculap® YASARGIL Aneurysm Clip System

From experienced hands – for experienced hands!  
Aus erfahrenen Händen – für erfahrene Hände!



Aesculap Neurosurgery



**1968**

- First generation YASARGIL Aneurysm Clip made from implant steel with a half spring coil and no jaw guidance

YASARGIL Aneurysmen Clip der 1. Generation mit halber Federwicklung und ohne Maulführung aus Implantatstahl



**1970**

- YASARGIL Aneurysm Clip with 1.5 spring coil and safety ring to enhance closing force and stability

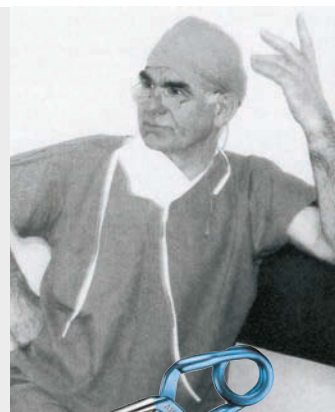
YASARGIL Aneurysmen Clip mit 1,5 Federwicklung und Ringsicherung zur Optimierung von Schließkraft und Stabilität



**1983**

- The YASARGIL Aneurysm Clip made from **Phynox** increases MRI compatibility. A patented box lock improves the characteristics with regard to the "scissoring" effect

Der YASARGIL Aneurysmen Clip aus **Phynox** erhöht die MRT-Sicherheit. Patentierter Durchsteckschluß verbessert die Eigenschaften hinsichtlich „Scissoring“-Effekt



**1995**

- The YASARGIL Aneurysm Clip with 1.5 spring coil made from **Titanium** improves postoperative control and diagnosis by reducing the number of artifacts in CT and MRI scans

Der YASARGIL Aneurysmen Clip aus **Titan** verbessert die postoperative Kontrolle und Diagnostik aufgrund von geringeren Artefakten bei CT und MRT

## From experienced hands... for experienced hands!

How can a surgeon be sure that the instruments he is using for lifesaving aneurysm surgery deserve the trust his patients place in him?

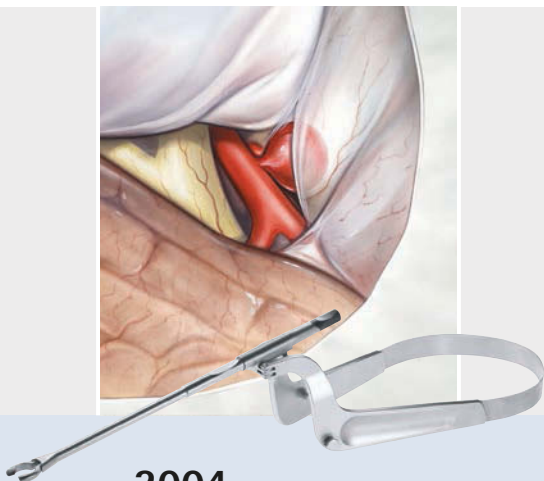
The beginning of the success is based on the development of the clip design by the famous Prof. Gazi M. YASARGIL.

Then decades of intensive cooperation with other leading neurosurgeons all over the world form the foundation for Aesculap's technical and scientific experience.

With the YASARGIL Aneurysm Clips Aesculap is the world market leader. Since their introduction, over 2.0 million clips have been implanted by thousands of neurosurgeons in more than 80 countries. A milestone in the history of neurosurgery.

The surgical treatment of cerebral aneurysms will continue to represent an important and indispensable therapy option into the future.

Through continuous further development of the YASARGIL Aneurysm Clip system, Aesculap is committed to offer implants and instruments of high quality for this treatment.



**2004**

- The XS Clip Applier meets the demands of keyhole surgery

XS-Clipanlagegeze wird den Anforderungen an die Schlüssellochchirurgie (Key-hole-surgery) gerecht



**2006**

- T-Bar Clips acc. to KOPITNIK made from Titanium and Phynox aids and expands treatment possibilities

T-Bar Clips nach KOPITNIK aus Titan und Phynox unterstützen und erweitern die Behandlungsmöglichkeiten



**2013**

- First Mini clips with fenestration allow an even preciser reconstruction of the vascular structures also in narrow spaces

Die ersten gefenesterten Mini Clips ermöglichen eine noch präzisere Rekonstruktion der vaskulären Strukturen

## Aus erfahrenen Händen... für erfahrene Hände!

Wie kann sich ein Operateur sicher sein, dass sein Instrumentarium für die lebensrettende Aneurysmenchirurgie, das Vertrauen verdient, das seine Patienten in ihn setzen?

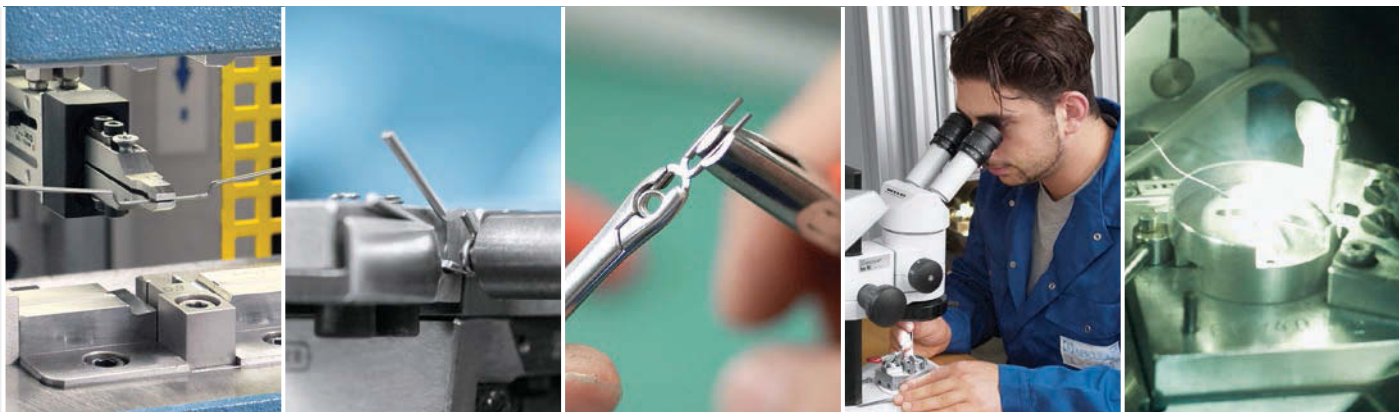
Eine jahrzehntelange intensive Zusammenarbeit mit führenden Neurochirurgen dieser Welt begründet Aesculaps technische und wissenschaftliche Erfahrung.

Mit den YASARGIL Aneurysmenclips ist Aesculap Weltmarktführer. Seit der Einführung wurden in über 80 Ländern dieser Welt mehr als 2 Millionen Clips implantiert. Ein Meilenstein in der Geschichte der Neurochirurgie.

Die chirurgische Behandlung von zerebralen Aneurysmen wird auch in Zukunft eine wichtige und nicht wegzudenkende Therapieoption darstellen.

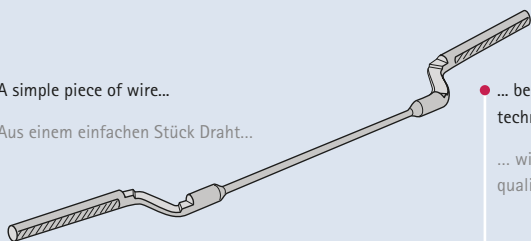
Durch die kontinuierliche Weiterentwicklung des YASARGIL Aneurysmenclip-Systems steht Aesculap dafür, dass für diese Therapie, Implantate und Instrumente von hoher Qualität zur Verfügung stehen.





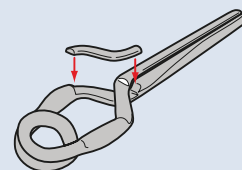
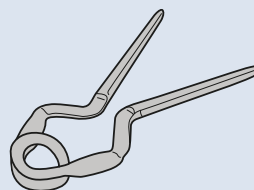
• A simple piece of wire...

Aus einem einfachen Stück Draht...



• ... becomes, thanks to advanced high technology and qualified manual work,...

... wird durch moderne Hochtechnologie und qualifizierter Handarbeit...



## Our striving for perfection is your safeguard

Precision manual work and the most advanced high technology are intricately and accurately combined in the manufacture of YASARGIL Aneurysm Clips.

Despite the high technology and mechanization, it is only possible to achieve the required accuracy within tolerance and the necessary variability manually in the hands of highly qualified production engineers. This is the only way we can approach the goal of our own quality standards for aneurysm clips, with a smooth, burr-free and therefore atraumatic surface, exact dimensions and a reproducible closing action – a clip you can rely on.

## Unser Streben nach Perfektion ist Ihre Sicherheit

Die Herstellung der YASARGIL Aneurysmen-Clips erfolgt in einem präzisen Zusammenspiel von manueller Feinarbeit und moderner Hochtechnologie.

Trotz aller Technisierung kann die geforderte Toleranzgenauigkeit und Variabilität nur mit manueller Fertigung durch qualifizierte Hände erreicht werden. Unsere internen Qualitätsstandards schreiben Toleranzen vor, die teilweise im Hundertstel Millimeter Bereich liegen. Nur so kommen wir unserem Ziel des perfekten Aneurysmenclips näher, mit einer absolut glatten, gratfreien und damit atraumatischen Oberfläche und exakten Maßen mit reproduzierbarem Schließverhalten – worauf Sie sich verlassen können.



REM image  
atraumatic tip of a YASARGIL Clip from Aesculap;  
smooth surface prevents damage to tissue.

REM-Aufnahme  
atraumatische Spitze eines YASARGIL Clip von  
Aesculap; glatte Oberflächen verhindern eine Verletzung  
des Gewebes.



REM image  
atraumatic blade profile of a YASARGIL Clip from  
Aesculap; the deep, symmetrical, pyramidal stamping  
of both blades doubles the contact surface area and  
counteracts the slip effect.

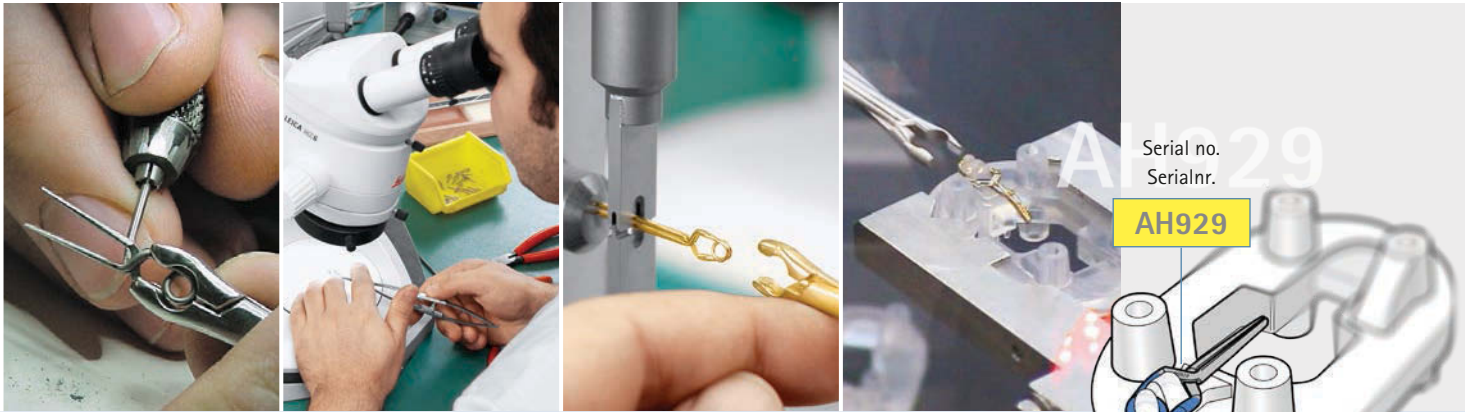
REM-Aufnahme  
atraumatisches Maulprofil eines YASARGIL Clip von  
Aesculap; die tiefen, symmetrischen, pyramidenförmigen  
Einprägungen in beiden Maulteilen verdoppeln die  
Auflagefläche und gewährleisten sicheren Halt.



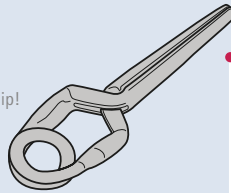
REM image  
unique box lock of a YASARGIL Clip from Aesculap; the  
flat design with a broad contact surface enables smooth  
opening and closing as well as stability.

REM-Aufnahme  
patentierter Durchsteckschluss eines YASARGIL Clip von  
Aesculap; das ultraflache Design mit der breiten Auflage-  
fläche erlaubt ein reibungsloses Öffnen und Schließen  
sowie Stabilität.

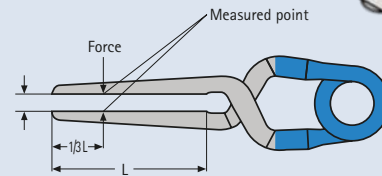




• ... an original YASARGIL Aneurysm Clip!  
... ein original YASARGIL Aneurysmen-Clip!



• Made in Germany!  
Made by Aesculap!



## High performance in production

Did you know that...

- ... 30 production steps are required to produce one clip?
- ... 70% of the production is performed manually under the microscope?
- ... a clip is checked 10 times for dimension, surface and closing force during the production process?
- ... the profile of the blades is stamped evenly with 24 tons?
- ... the manufacturing tolerances of 0.02 mm are 10 times smaller than a human hair?
- ... the welding temperature for the metal plate reaches 2500 °C (4532 °F)?
- ... the serial no. allows to trace back every clip individually?

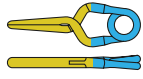
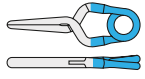
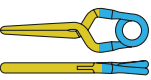
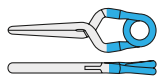
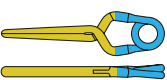
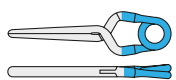
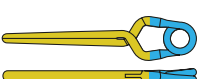
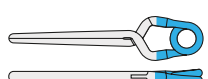
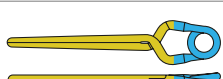
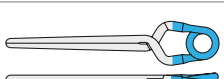
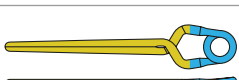
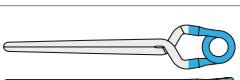
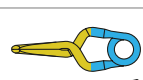
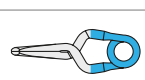
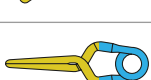
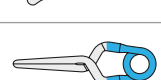
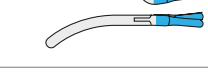
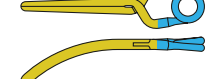
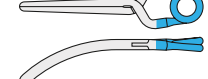
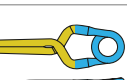
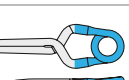
## Höchstleistungen der Produktion

Wussten Sie, dass...

- ... 30 Arbeitsschritte notwendig sind um einen Clip herzustellen?
- ... 70% der Herstellung eines Clips in Handarbeit unter dem Mikroskop erfolgen?
- ... ein Clip während seiner Herstellung insgesamt 10 x auf Maße, Oberflächen und Schließkraft kontrolliert wird?
- ... die Vertiefungen in den Maulteilen mit 24 Tonnen Druck gleichmäßig eingeprägt werden?
- ... die Toleranzen in der Herstellung mit 0,02 mm 10 x kleiner sind als ein menschliches Haar?
- ... die Anschweißtemperatur für das Metallplättchen bis zu 2500 °C (4530 °F) beträgt?
- ... über die Seriennummer jeder Clip eindeutig zurückverfolgt werden kann?

# Aesculap® YASARGIL Aneurysm Clip System

## Titanium Standard Clips

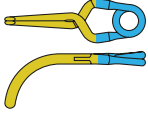
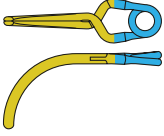
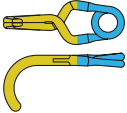
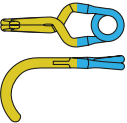
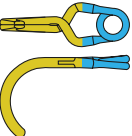
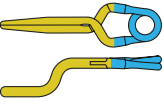
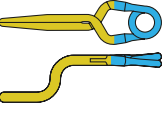
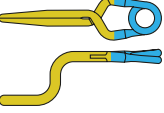
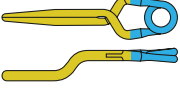
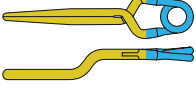
| TITANIUM STANDARD | TEMPORARY TEMPORÄR   |                                                                                     |                                  |                                           |                                      |     | PERMANENT            |                                                                                       |                                  |                                           |                                      |     |
|-------------------|----------------------|-------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|--------------------------------------|-----|----------------------|---------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|--------------------------------------|-----|
|                   | Art. No.<br>Art. Nr. |    | Blade length<br>Mauillänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     | Art. No.<br>Art. Nr. |    | Blade length<br>Mauillänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|                   | FT240T               |    | 7.0                              | 6.2                                       | 1.08                                 | 110 | <b>FT740T</b>        |    | 7.0                              | 6.2                                       | 1.47                                 | 150 |
|                   | FT250T               |    | 9.0                              | 7.0                                       | 0.88                                 | 90  | FT750T               |    | 9.0                              | 7.0                                       | 1.77                                 | 180 |
|                   | FT260T               |    | 11.0                             | 7.8                                       | 0.88                                 | 90  | <b>FT760T</b>        |     | 11.0                             | 7.8                                       | 1.77                                 | 180 |
|                   | FT280T               |    | 15.0                             | 9.2                                       | 0.88                                 | 90  | FT780D               |     | 15.0                             | 9.2                                       | 1.96                                 | 200 |
|                   | FT292T               |   | 17.5                             | 10.6                                      | 0.88                                 | 90  | <b>FT792D</b>        |    | 17.5                             | 10.6                                      | 1.96                                 | 200 |
|                   | FT290T               |  | 20.0                             | 11.4                                      | 1.08                                 | 110 | FT790D               |   | 20.0                             | 11.4                                      | 1.96                                 | 200 |
|                   | FT242T               |  | 6.5                              | 6.0                                       | 1.08                                 | 110 | FT742T               |  | 6.5                              | 6.0                                       | 1.47                                 | 150 |
|                   | FT252T               |  | 8.3                              | 6.8                                       | 0.88                                 | 90  | FT752T               |  | 8.3                              | 6.8                                       | 1.77                                 | 180 |
|                   | FT262T               |  | 10.2                             | 7.5                                       | 0.88                                 | 90  | <b>FT762T</b>        |   | 10.2                             | 7.5                                       | 1.77                                 | 180 |
|                   | FT282T               |  | 13.7                             | 8.7                                       | 1.08                                 | 110 | <b>FT782T</b>        |   | 13.7                             | 8.7                                       | 1.96                                 | 200 |
|                   | FT286T               |  | 15.3                             | 9.8                                       | 1.08                                 | 110 | <b>FT786T</b>        |   | 15.3                             | 9.8                                       | 1.77                                 | 180 |
|                   | FT244T               |  | 5.4                              | 5.5                                       | 1.08                                 | 110 | FT744T               |  | 5.4                              | 5.5                                       | 1.47                                 | 150 |
|                   | FT254T               |  | 6.4                              | 6.1                                       | 1.08                                 | 110 | FT754T               |  | 6.4                              | 6.1                                       | 1.77                                 | 180 |
|                   |                      |                                                                                     |                                  |                                           |                                      |     |                      |                                                                                       |                                  |                                           |                                      |     |
|                   |                      |                                                                                     |                                  |                                           |                                      |     |                      |                                                                                       |                                  |                                           |                                      |     |
|                   |                      |                                                                                     |                                  |                                           |                                      |     |                      |                                                                                       |                                  |                                           |                                      |     |
|                   |                      |                                                                                     |                                  |                                           |                                      |     |                      |                                                                                       |                                  |                                           |                                      |     |
|                   |                      |                                                                                     |                                  |                                           |                                      |     |                      |                                                                                       |                                  |                                           |                                      |     |



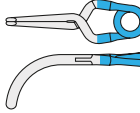
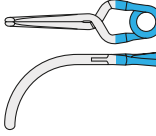
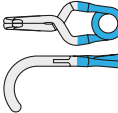
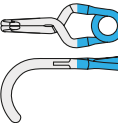
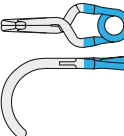
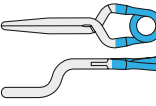
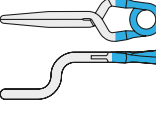
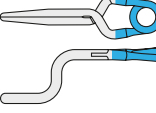
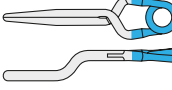
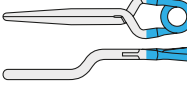
- MRI examinations using magnetic fields of 1.5 and 3.0 Tesla do not present an additional risk to implant wearers
- Minor artifacts in CT and MRI
- Color coding with blue spring (Standard clip) and golden or silver blades (temporary or permanent clip respectively)
- Sterile packaging

- Bei MRT-Untersuchungen mit 1,5 und 3,0 Tesla ergibt sich für den Implantat-träger kein zusätzliches Risiko durch magnetisch induzierte Kräfte
- geringe Artefaktbildung in CT und MRT
- Farbkodierung durch blaue Feder (Standard Clip), sowie durch goldene bzw. silberne Maulteile (temporärer bzw. permanenter Clip)
- steril verpackt

## TEMPORARY TEMPORÄR

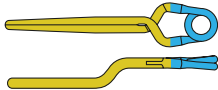
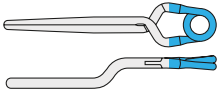
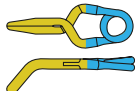
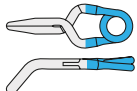
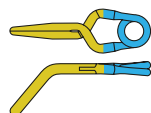
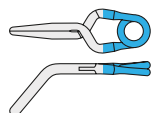
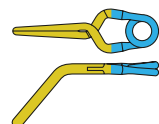
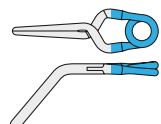
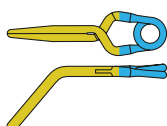
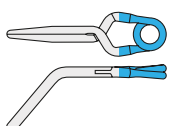
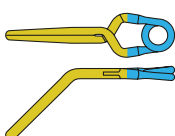
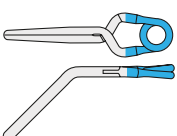
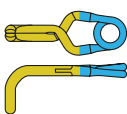
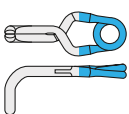
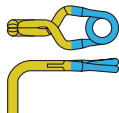
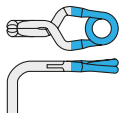
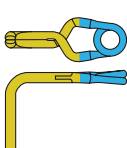
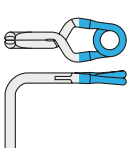
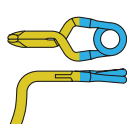
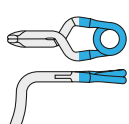
| Art. No.<br>Art. Nr.                    |    | Blade length<br>Maullänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------|--------------------------------------|-----|
| FT264T                                  |    | 8.0                             | 6.5                                       | 1.08                                 | 110 |
| FT284T                                  |    | 10.3                            | 7.4                                       | 1.08                                 | 110 |
| FT323T                                  |    | 7.4                             | 5.4                                       | 1.08                                 | 110 |
| FT324T                                  |  | 8.4                             | 5.8                                       | 1.08                                 | 110 |
| FT325T                                  |  | 10.5                            | 6.2                                       | 1.08                                 | 110 |
| FT270T                                  |  | 5.0                             | 8.0                                       | 1.08                                 | 110 |
| Height of step 2.5 mm Stufenhöhe 2,5 mm |                                                                                     |                                 |                                           |                                      |     |
| FT271T                                  |  | 5.0                             | 8.0                                       | 1.08                                 | 110 |
| Height of step 3.5 mm Stufenhöhe 3,5 mm |                                                                                     |                                 |                                           |                                      |     |
| FT272T                                  |  | 5.0                             | 8.0                                       | 1.08                                 | 110 |
| Height of step 4.5 mm Stufenhöhe 4,5 mm |                                                                                     |                                 |                                           |                                      |     |
| FT248T                                  |  | 7.0                             | 7.9                                       | 0.88                                 | 90  |
| FT258T                                  |  | 9.0                             | 8.7                                       | 0.88                                 | 90  |

## PERMANENT

| Art. No.<br>Art. Nr.                    |    | Blade length<br>Maullänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|-----------------------------------------|---------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------|--------------------------------------|-----|
| FT764T                                  |    | 8.0                             | 6.5                                       | 1.77                                 | 180 |
| FT784T                                  |    | 10.3                            | 7.4                                       | 1.96                                 | 200 |
| FT823T                                  |    | 7.4                             | 5.4                                       | 1.77                                 | 180 |
| FT824T                                  |  | 8.4                             | 5.8                                       | 1.77                                 | 180 |
| FT825T                                  |  | 10.5                            | 6.2                                       | 1.77                                 | 180 |
| FT770T                                  |  | 5.0                             | 8.0                                       | 1.96                                 | 200 |
| Height of step 2.5 mm Stufenhöhe 2,5 mm |                                                                                       |                                 |                                           |                                      |     |
| FT771T                                  |  | 5.0                             | 8.0                                       | 1.96                                 | 200 |
| Height of step 3.5 mm Stufenhöhe 3,5 mm |                                                                                       |                                 |                                           |                                      |     |
| FT772T                                  |  | 5.0                             | 8.0                                       | 1.96                                 | 200 |
| Height of step 4.5 mm Stufenhöhe 4,5 mm |                                                                                       |                                 |                                           |                                      |     |
| FT748T                                  |  | 7.0                             | 7.9                                       | 1.96                                 | 200 |
| FT758T                                  |   | 9.0                             | 8.7                                       | 1.96                                 | 200 |

# Aesculap® YASARGIL Aneurysm Clip System

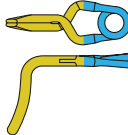
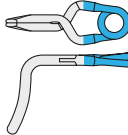
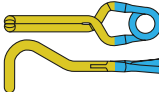
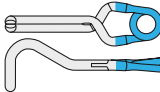
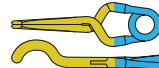
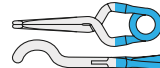
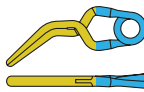
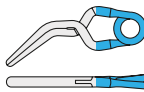
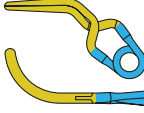
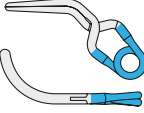
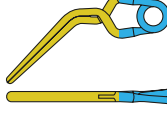
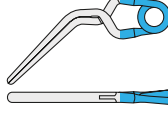
## Titanium Standard Clips

| TITANIUM STANDARD | TEMPORARY TEMPORÄR   |                                                                                     |                                  |                                           |                                      |     | PERMANENT            |                                                                                       |                                  |                                           |                                      |     |
|-------------------|----------------------|-------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|--------------------------------------|-----|----------------------|---------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|--------------------------------------|-----|
|                   | Art. No.<br>Art. Nr. |    | Blade length<br>Mauillänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     | Art. No.<br>Art. Nr. |    | Blade length<br>Mauillänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|                   | FT259T               |    | 12.0                             | 10.2                                      | 0.88                                 | 90  | FT759T               |     | 12.0                             | 10.2                                      | 1.96                                 | 200 |
|                   | FT103T               |    | 6.1                              | 6.5                                       | 1.08                                 | 110 | FT603T               |    | 6.1                              | 6.5                                       | 1.96                                 | 200 |
|                   | FT113T               |    | 8.0                              | 6.2                                       | 1.08                                 | 110 | FT613T               |    | 8.0                              | 6.2                                       | 1.96                                 | 200 |
|                   | FT310T               |   | 9.0                              | 6.5                                       | 1.08                                 | 110 | FT810T               |   | 9.0                              | 6.5                                       | 1.96                                 | 200 |
|                   | FT123T               |  | 10.6                             | 7.8                                       | 1.08                                 | 110 | FT623T               |  | 10.6                             | 7.8                                       | 1.96                                 | 200 |
|                   | FT263T               |  | 11.8                             | 8.4                                       | 1.08                                 | 110 | FT763T               |  | 11.8                             | 8.4                                       | 1.67                                 | 170 |
|                   | FT319T               |  | 5.0                              | 5.6                                       | 1.28                                 | 130 | FT819T               |  | 5.0                              | 5.6                                       | 1.96                                 | 200 |
|                   | FT320T               |  | 7.0                              | 4.5                                       | 1.28                                 | 130 | FT820T               |  | 7.0                              | 4.5                                       | 1.96                                 | 200 |
|                   | FT322T               |  | 10.0                             | 5.6                                       | 1.28                                 | 130 | FT822T               |  | 10.0                             | 5.6                                       | 1.96                                 | 200 |
|                   | FT350T               |  | 6.7                              | 5.4                                       | 1.28                                 | 130 | FT850T               |  | 6.7                              | 5.4                                       | 1.96                                 | 200 |



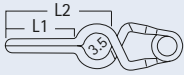
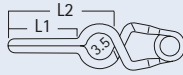
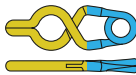
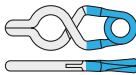
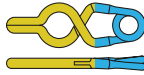
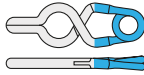
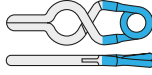
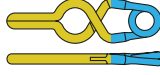
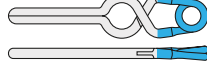
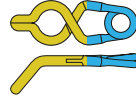
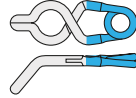
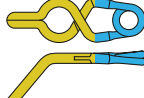
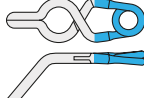
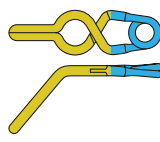
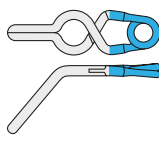
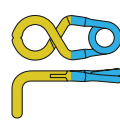
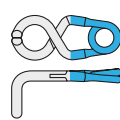
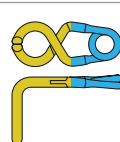
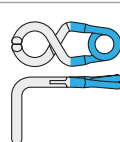
## TEMPORARY TEMPORÄR

## PERMANENT

| Art. No.<br>Art. Nr. |    | Blade length<br>Mauillänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     | Art. No.<br>Art. Nr. |    | Blade length<br>Mauillänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|----------------------|-------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|--------------------------------------|-----|----------------------|---------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|--------------------------------------|-----|
| FT351T               |    | 9.0                              | 5.6                                       | 1.28                                 | 130 | FT851T               |    | 9.0                              | 5.6                                       | 1.96                                 | 200 |
| FT330T               |    | 7.0                              | 7.2                                       | 0.88                                 | 90  | FT830T               |    | 7.0                              | 7.2                                       | 1.96                                 | 200 |
| FT332T               |    | 9.3                              | 7.2                                       | 0.88                                 | 90  | FT832T               |    | 9.3                              | 7.2                                       | 1.96                                 | 200 |
| FT333T               |   | 11.3                             | 8.2                                       | 0.88                                 | 90  | FT833T               |   | 11.3                             | 8.2                                       | 1.96                                 | 200 |
| FT246T               |  | 7.0                              | 5.7                                       | 0.88                                 | 90  | FT746T               |  | 7.0                              | 5.7                                       | 1.96                                 | 200 |
| FT273T               |  | 7.8                              | 5.3                                       | 0.88                                 | 90  | FT773T               |  | 7.8                              | 5.5                                       | 1.77                                 | 180 |
| FT261T               |  | 11.4                             | 8.0                                       | 0.88                                 | 90  | FT761T               |  | 11.4                             | 8.0                                       | 1.96                                 | 200 |
| FT247T               |  | 8.6                              | 7.0                                       | 0.88                                 | 90  | FT747T               |  | 8.6                              | 7.0                                       | 1.77                                 | 180 |

# Aesculap® YASARGIL Aneurysm Clip System

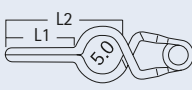
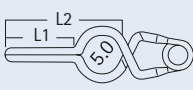
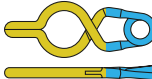
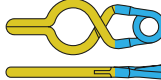
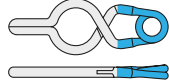
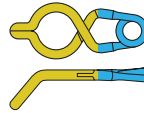
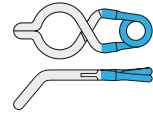
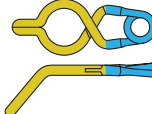
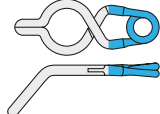
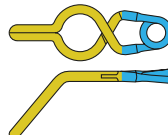
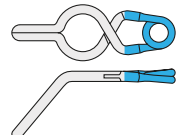
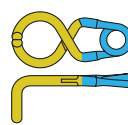
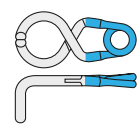
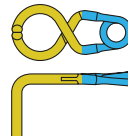
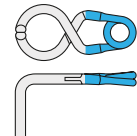
## Titanium Standard Clips with Fenestration, 3.5 mm

| TITANIUM STANDARD | TEMPORARY TEMPORÄR   |                                                                                     |                                                              |                                          |                                              |                                      | PERMANENT            |                                                                                       |                                                              |                                          |                                              |                                      |
|-------------------|----------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------|----------------------------------------------|--------------------------------------|----------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------|----------------------------------------------|--------------------------------------|
|                   | Art. No.<br>Art. Nr. |    | Diameter of fenestration 3.5 mm<br>Fensterdurchmesser 3,5 mm | Blade length<br>Maullänge<br>mm<br>L1/L2 | Maximal opening<br>maximale<br>Öffnung<br>mm | Closing force<br>Schließkraft<br>N g | Art. No.<br>Art. Nr. |     | Diameter of fenestration 3.5 mm<br>Fensterdurchmesser 3,5 mm | Blade length<br>Maullänge<br>mm<br>L1/L2 | Maximal opening<br>maximale<br>Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |
|                   | FT097T               |    |                                                              | 3/8.1                                    | 7.5                                          | 1.08 110                             | FT597T               |    |                                                              | 3/8.1                                    | 7.5                                          | 1.47 150                             |
|                   | FT098T               |    |                                                              | 4/9.1                                    | 7.4                                          | 1.08 110                             | FT598T               |    |                                                              | 4/9.1                                    | 7.4                                          | 1.47 150                             |
|                   | FT099T               |    |                                                              | 5/10.1                                   | 7.4                                          | 1.08 110                             | FT599T               |    |                                                              | 5/10.1                                   | 7.4                                          | 1.47 150                             |
|                   | FT100T               |  |                                                              | 6/11.1                                   | 7.4                                          | 1.08 110                             | FT600T               |   |                                                              | 6/11.1                                   | 7.4                                          | 1.47 150                             |
|                   | FT110T               |  |                                                              | 9/14.1                                   | 8.4                                          | 1.08 110                             | FT610T               |   |                                                              | 9/14.1                                   | 8.4                                          | 1.47 150                             |
|                   | FT120T               |  |                                                              | 12/17                                    | 9.6                                          | 1.08 110                             | FT620T               |   |                                                              | 12/17                                    | 9.6                                          | 1.77 180                             |
|                   | FT102T               |  |                                                              | 5/7.8                                    | 5.8                                          | 1.08 110                             | FT602T               |  |                                                              | 5/7.8                                    | 5.8                                          | 1.47 150                             |
|                   | FT112T               |  |                                                              | 7.5/9.4                                  | 6.5                                          | 1.08 110                             | FT612T               |  |                                                              | 7.5/9.4                                  | 6.5                                          | 1.47 150                             |
|                   | FT122T               |  |                                                              | 10/11                                    | 7.2                                          | 1.08 110                             | FT622T               |   |                                                              | 10/11                                    | 7.2                                          | 1.77 180                             |
|                   | FT104T               |  |                                                              | 5/5.1                                    | 4.9                                          | 1.08 110                             | FT604T               |  |                                                              | 5/5.1                                    | 4.9                                          | 1.47 150                             |
|                   | FT114T               |  |                                                              | 7.5/5.1                                  | 4.9                                          | 1.08 110                             | FT614T               |  |                                                              | 7.5/5.1                                  | 4.9                                          | 1.47 150                             |

# Aesculap® YASARGIL Aneurysm Clip System

## Titanium Standard Clips with Fenestration, 5.0 mm

Aesculap Neurosurgery

| TEMPORARY TEMPORÄR   |                                                                                     |                                                          |     |                                           |                                              | PERMANENT                            |                      |                                                                                       |                                                          |     |                                           |                                              |                                      |
|----------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------|-----|-------------------------------------------|----------------------------------------------|--------------------------------------|----------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|-----|-------------------------------------------|----------------------------------------------|--------------------------------------|
| Art. No.<br>Art. Nr. |    | Diameter of fenestration 5 mm<br>Fensterdurchmesser 5 mm |     | Blade length<br>Mauillänge<br>mm<br>L1/L2 | Maximal opening<br>maximale<br>Öffnung<br>mm | Closing force<br>Schließkraft<br>N g | Art. No.<br>Art. Nr. |     | Diameter of fenestration 5 mm<br>Fensterdurchmesser 5 mm |     | Blade length<br>Mauillänge<br>mm<br>L1/L2 | Maximal opening<br>maximale<br>Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |
| FT137T               |    | 3/9.8                                                    | 7.4 | 1.08                                      | 110                                          |                                      | FT637T               |    | 3/9.8                                                    | 7.4 | 1.47                                      | 150                                          |                                      |
| FT138T               |    | 4/10.8                                                   | 7.4 | 1.08                                      | 110                                          |                                      | FT638T               |     | 4/10.8                                                   | 7.4 | 1.47                                      | 150                                          |                                      |
| FT139T               |    | 5/11.8                                                   | 7.4 | 1.08                                      | 110                                          |                                      | FT639T               |     | 5/11.8                                                   | 7.4 | 1.47                                      | 150                                          |                                      |
| FT140T               |  | 6/12.7                                                   | 7.9 | 1.08                                      | 110                                          |                                      | FT640T               |   | 6/12.7                                                   | 7.9 | 1.47                                      | 150                                          |                                      |
| FT150T               |  | 9/15.7                                                   | 9.1 | 1.08                                      | 110                                          |                                      | FT650T               |   | 9/15.7                                                   | 9.1 | 1.47                                      | 150                                          |                                      |
| FT142T               |  | 5/9                                                      | 6.5 | 1.08                                      | 110                                          |                                      | FT642T               |  | 5/9.4                                                    | 6.5 | 1.47                                      | 150                                          |                                      |
| FT152T               |  | 7.5/10.6                                                 | 7.2 | 1.08                                      | 110                                          |                                      | FT652T               |   | 7.5/10.6                                                 | 7.2 | 1.47                                      | 150                                          |                                      |
| FT162T               |  | 10/12.2                                                  | 7.8 | 1.08                                      | 110                                          |                                      | FT662T               |   | 10/12.2                                                  | 7.8 | 1.77                                      | 180                                          |                                      |
| FT144T               |  | 5/6.7                                                    | 5.5 | 1.08                                      | 110                                          |                                      | FT644T               |  | 5/6.7                                                    | 5.5 | 1.47                                      | 150                                          |                                      |
| FT154T               |  | 7.5/6.7                                                  | 5.5 | 1.08                                      | 110                                          |                                      | FT654T               |  | 7.5/6.7                                                  | 5.5 | 1.47                                      | 150                                          |                                      |

TITANIUM STANDARD

TITANIUM STANDARD



# Aesculap® YASARGIL Aneurysm Clip System

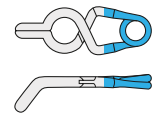
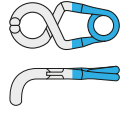
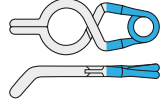
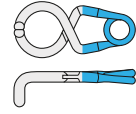
## ULTRA SHORT FENESTRATED Aneurysm Clip

### "Dog-ear"-Clips

Aneurysm clips with a particularly short blade length (3 mm) and fenestration serve for the treatment of minor aneurysms (e.g. "dog-ear-aneurysms").

Aneurysmenclips mit einer besonders kurzen Maullänge (3 mm) und Fenestration für die Behandlung von kleinen Aneurysmen (z. B. „Dog-ear-Aneurysmen“).

#### PERMANENT

| Art. No.<br>Art. Nr. |    | Blade length<br>Maullänge<br>mm<br>L1/L2 | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N | Diameter of fenestration<br>Fensterdurchmesser<br>mm |
|----------------------|--------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------|------------------------------------|------------------------------------------------------|
| FT902T               |    | 3.0/6.3                                  | 5.8                                       | 1.47                               | 3.5                                                  |
| FT904T               |    | 3.0/5.1                                  | 4.9                                       | 1.47                               | 3.5                                                  |
| FT942T               |   | 3.0/8.1                                  | 6.0                                       | 1.47                               | 5.0                                                  |
| FT944T               |  | 3.0/6.7                                  | 5.5                                       | 1.47                               | 5.0                                                  |

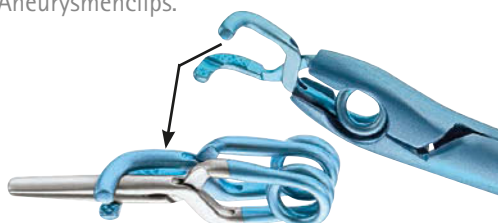
## Titanium Reinforcing Clip

Titanium reinforcing clip to increase the closing force of YASARGIL Titanium Standard Aneurysm Clips.

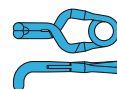
Verstärkungsclip aus Titan, zur Erhöhung der Schließkraft von Titan-Standard-Aneurysmenclips.

#### PERMANENT

Art. No.  
Art. Nr.



FT900T



# Aesculap® YASARGIL Aneurysm Clip System

## Titanium Mini Clips with Fenestration, 3.5 mm

Aesculap Neurosurgery

**NEW**

### PERMANENT

#### First Mini clips with fenestration

- Allow using fenestrated clips in narrow spaces

#### Thin blades and thus a reduced

#### triangle-shaped gap at the proximal end

- Support the precise reconstruction of the vascular structure with multiple clipping techniques

#### Area of use

- Neck remnants of clipped aneurysms like "Dog-ear aneurysms"

#### Die ersten gefensterten Mini Clips

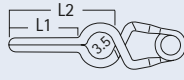
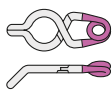
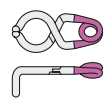
- Ermöglichen den Einsatz gefensterter Clips auch an sehr engen Stellen
- Schlanke Maulteile

#### Verkleinerte dreieckige „Lücke“ am Übergang von der Fensterung zu den Maulteilen

- Ermöglicht eine noch präzisere Rekonstruktion der vaskulären Strukturen durch Multiple-Clipping-Techniken

#### Einsatzgebiet

- Reste des Aneurysma-Halses, die beim Clippen nicht komplett verschlossen wurden (z. B. „Dog-ear-Aneurysmen“)

| Art. No.<br>Art. Nr. |  | Blade length<br>Maullänge<br>mm<br>L1/L2 | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N | Diameter of fenestration<br>Fensterdurchmesser<br>mm |
|----------------------|------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------|------------------------------------|------------------------------------------------------|
| FT802T               |  | 3.0/6.9                                  | 3.2                                       | 110                                | 3.5                                                  |
| FT804T               |  | 3.0/5.1                                  | 3.2                                       | 110                                | 3.5                                                  |

TITANIUM MINI



Developed in co-operation with:

Entwickelt in Zusammenarbeit mit:

**Rokuya Tanikawa, M. D.**

Director Stroke Center, Department of Neurosurgery  
Teishinkai Hospital, Sapporo, Japan

# Aesculap® YASARGIL Aneurysm Clip System

## Titanium T-Bar Clips acc. to KOPITNIK, 5.0 mm

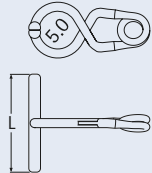
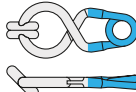
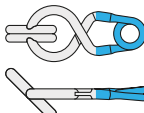
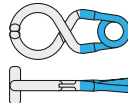
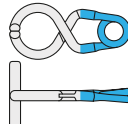
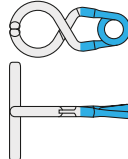
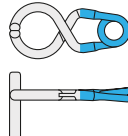
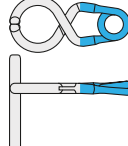
### Aneurysm clip with a unique design

The blades of the T-Bar Clip are oriented in a 90°, 60° or 45° angle to the axis of the spring plane resulting in a T-like clip form. The unique shape opens up new options for the treatment of complicated cerebral aneurysms. The spring type is identical to the existing and proven standard YASARGIL Aneurysm Clip with a 5 mm diameter fenestration.

### Einzigartiges Clipdesign

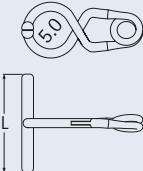
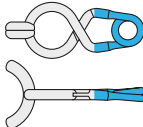
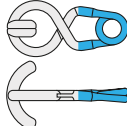
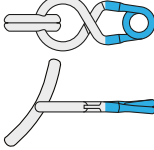
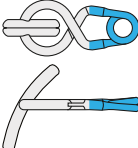
Die Ebene der Maulteile liegt T-förmig im 90°, 60° oder 45° Winkel zur Ebene der Clipfeder. Diese besondere Form erweitert die Therapieoptionen bei der Behandlung von zerebralen Aneurysmen. Die Federgeometrie ist identisch mit den anderen YASARGIL Aneurysmen-Clips in Standardgröße und einer 5 mm Fensterung.

### PERMANENT

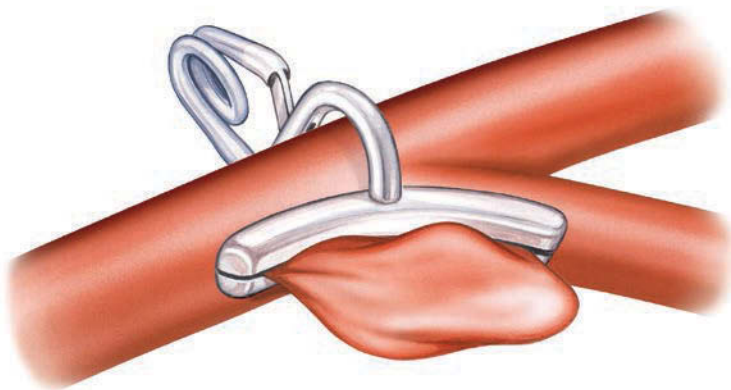
| Art. No.<br>Art. Nr. |    | Blade length<br>Maullänge<br>mm | Diameter of fenestration 5 mm<br>Fensterdurchmesser 5 mm |                                           |                               |     |
|----------------------|--------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------|-------------------------------------------|-------------------------------|-----|
|                      |                                                                                      |                                 | Angle<br>Winkel                                          | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft |     |
|                      |                                                                                      |                                 |                                                          |                                           | N                             | g   |
| FT852T               |    | 5.0                             | 45°                                                      | 5.5                                       | 1.47                          | 150 |
| FT853T               |    | 9.0                             | 45°                                                      | 5.5                                       | 1.47                          | 150 |
| FT854T               |  | 5.0                             | 90°                                                      | 5.5                                       | 1.47                          | 150 |
| FT855T               |  | 9.0                             | 90°                                                      | 5.5                                       | 1.47                          | 150 |
| FT856T               |  | 13.0                            | 90°                                                      | 5.5                                       | 1.77                          | 180 |
| FT864T               |  | 9.0                             | 90°                                                      | 5.5                                       | 1.47                          | 150 |
| FT865T               |  | 13.0                            | 90°                                                      | 5.5                                       | 1.77                          | 180 |



## PERMANENT

| Art. No.<br>Art. Nr. |    | Blade length<br>Mauillänge<br>mm | Diameter of fenestration 5 mm<br>Fensterdurchmesser 5 mm |                                           |                               |     |
|----------------------|--------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------|-------------------------------------------|-------------------------------|-----|
|                      |                                                                                      |                                  | Angle<br>Winkel                                          | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft |     |
|                      |                                                                                      |                                  |                                                          |                                           | N                             | g   |
| FT857T               |    | 9.0                              | 90°                                                      | 5.5                                       | 1.47                          | 150 |
| FT858T               |    | 9.0                              | 90°                                                      | 5.5                                       | 1.47                          | 150 |
| FT859T               |  | 13.0                             | 60°                                                      | 5.5                                       | 1.77                          | 180 |
| FT860T               |  | 13.0                             | 60°                                                      | 5.5                                       | 1.77                          | 180 |

TITANIUM STANDARD



# Aesculap® YASARGIL Aneurysm Clip System

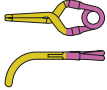
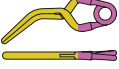
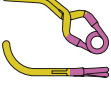
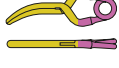
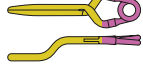
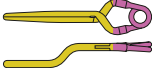
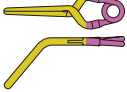
## Titanium Mini Clips

| TITANIUM MINI | TEMPORARY TEMPORÄR   |                                                                                     |                                  |                                           |                                      |    | PERMANENT            |                                                                                       |                                  |                                           |                                      |     |
|---------------|----------------------|-------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|--------------------------------------|----|----------------------|---------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|--------------------------------------|-----|
|               | Art. No.<br>Art. Nr. |    | Blade length<br>Mauillänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |    | Art. No.<br>Art. Nr. |    | Blade length<br>Mauillänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|               |                      |                                                                                     |                                  |                                           |                                      |    |                      |                                                                                       |                                  |                                           |                                      |     |
|               | FT180T               |    | 3.0                              | 3.3                                       | 0.88                                 | 90 | FT680T               |    | 3.0                              | 3.3                                       | 1.08                                 | 110 |
|               | FT190T               |    | 5.0                              | 4.0                                       | 0.69                                 | 70 | FT690T               |    | 5.0                              | 4.0                                       | 1.08                                 | 110 |
|               | FT200T               |    | 3.0                              | 3.3                                       | 0.88                                 | 90 | FT700T               |    | 3.0                              | 3.3                                       | 1.08                                 | 110 |
|               | FT210T               |    | 5.0                              | 4.0                                       | 0.69                                 | 70 | FT710T               |    | 5.0                              | 4.0                                       | 1.08                                 | 110 |
|               | FT220T               |  | 7.0                              | 4.6                                       | 0.69                                 | 70 | FT720T               |  | 7.0                              | 4.6                                       | 1.08                                 | 110 |
|               | FT182T               |  | 2.8                              | 3.2                                       | 0.88                                 | 90 | FT682T               |  | 2.8                              | 3.2                                       | 1.08                                 | 110 |
|               | FT194T               |  | 4.0                              | 3.6                                       | 0.78                                 | 80 | FT694T               |  | 4.0                              | 3.6                                       | 1.08                                 | 110 |
|               | FT192T               |  | 4.7                              | 3.8                                       | 0.69                                 | 70 | FT692T               |  | 4.7                              | 3.8                                       | 1.08                                 | 110 |
|               | FT211T               |  | 4.0                              | 3.6                                       | 0.78                                 | 80 | FT711T               |  | 4.0                              | 3.6                                       | 1.08                                 | 110 |
|               | FT212T               |  | 4.7                              | 3.8                                       | 0.69                                 | 70 | FT712T               |  | 4.7                              | 3.8                                       | 1.08                                 | 110 |
|               | FT213T               |  | 4.0                              | 3.6                                       | 0.78                                 | 80 | FT713T               |  | 4.0                              | 3.6                                       | 1.08                                 | 110 |
|               | FT226T               |  | 5.2                              | 4.0                                       | 0.69                                 | 70 | FT726T               |  | 5.2                              | 4.0                                       | 1.08                                 | 110 |
|               | FT222T               |  | 6.6                              | 4.4                                       | 0.69                                 | 70 | FT722T               |  | 6.6                              | 4.4                                       | 1.08                                 | 110 |
|               | FT214T               |  | 3.9                              | 3.5                                       | 0.78                                 | 80 | FT714T               |  | 3.9                              | 3.5                                       | 1.08                                 | 110 |

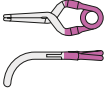
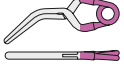
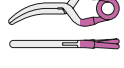
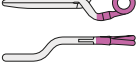
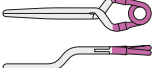
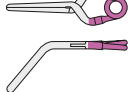
- MRI examinations using magnetic fields of 1.5 and 3.0 Tesla do not present an additional risk to implant wearers
- Minor artifacts in CT and MRI
- Color coding with blue spring (Standard clip) and golden or silver blades (temporary or permanent clip respectively)
- Sterile packaging

- Bei MRT-Untersuchungen mit 1,5 und 3,0 Tesla ergibt sich für den Implantat-träger kein zusätzliches Risiko durch magnetisch induzierte Kräfte
- geringe Artefaktbildung in CT und MRT
- Farbkodierung durch blaue Feder (Standard Clip), sowie durch goldene bzw. silberne Maulteile (temporärer bzw. permanenter Clip)
- steril verpackt

## TEMPORARY TEMPORÄR

| Art. No.<br>Art. Nr. |    | Blade length<br>Maullänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |    |
|----------------------|-------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------|--------------------------------------|----|
| FT224T               |    | 5.0                             | 4.0                                       | 0.69                                 | 70 |
| FT216T               |    | 5.0                             | 3.5                                       | 0.69                                 | 70 |
| FT307T               |    | 4.7                             | 4.0                                       | 0.69                                 | 70 |
| FT217T               |  | 6.3                             | 6.0                                       | 0.69                                 | 70 |
| FT227T               |  | 4.0                             | 7.0                                       | 0.69                                 | 70 |
| FT228T               |  | 7.0                             | 5.7                                       | 0.69                                 | 70 |
| FT306T               |  | 7.0                             | 4.5                                       | 0.69                                 | 70 |

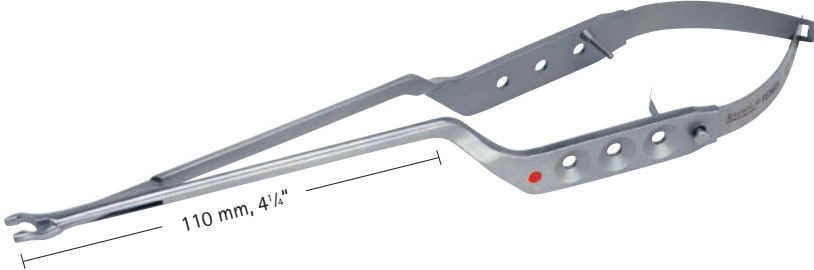
## PERMANENT

| Art. No.<br>Art. Nr. |    | Blade length<br>Maullänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|----------------------|---------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------|--------------------------------------|-----|
| FT724T               |    | 5.0                             | 4.0                                       | 1.08                                 | 110 |
| FT716T               |    | 5.0                             | 3.5                                       | 1.08                                 | 110 |
| FT807T               |    | 4.7                             | 4.0                                       | 1.08                                 | 110 |
| FT717T               |  | 6.3                             | 6.0                                       | 1.08                                 | 110 |
| FT727T               |  | 4.0                             | 7.0                                       | 1.08                                 | 110 |
| FT728D               |  | 7.0                             | 5.7                                       | 1.08                                 | 110 |
| FT806T               |  | 7.0                             | 4.5                                       | 1.08                                 | 110 |

# Aesculap® YASARGIL Aneurysm Clip System

## Double Bayonet Clip Applier for Titanium Clips

- Color coding is realized as a colored button in the handle area (● = Standard; ● = Mini)
- Farbkodierung durch einen Farbknopf im Griffbereich

| APPLIERS FOR TITANIUM CLIPS | STANDARD                                                                           | MINI                                                                                |                                                                                      |                                                             |
|-----------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                             |    |    |                                                                                      |                                                             |
|                             | FT501T                                                                             | FT511T                                                                              |    |                                                             |
|                             | FT505T                                                                             | FT515T                                                                              | with latch<br>mit Sperre                                                             | Total length: 225 mm, 8 7/8"<br>Gesamtlänge: 225 mm, 8 7/8" |
|                             |                                                                                    |                                                                                     | without latch<br>ohne Sperre                                                         |                                                             |
|                             |  |  |                                                                                      |                                                             |
|                             | FT502T                                                                             | FT512T                                                                              |  |                                                             |
|                             | FT506T                                                                             | FT516T                                                                              | with latch<br>mit Sperre                                                             | Total length: 245 mm, 9 5/8"<br>Gesamtlänge: 245 mm, 9 5/8" |
|                             |                                                                                    |                                                                                     | without latch<br>ohne Sperre                                                         |                                                             |



- The Double Bayonet Clip Applier has an additional bayonet shape at the jaw.
- Die Doppelbajonett Anlegezange hat eine zusätzliche Bajonettform am Maulteil.



- This leads to a better view of the clip.
- Dies führt zu einem besseren Blick auf den Clip.



# Aesculap® YASARGIL Aneurysm Clip System

## Vario Clip Applier for Titanium Clips

Aesculap Neurosurgery

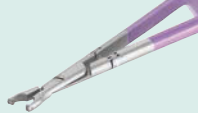
- Color coding blue for Standard and violet for Mini clips
- Blaue Farbcodierung steht für Standard und violette Farbcodierung steht für Mini Clips

STANDARD

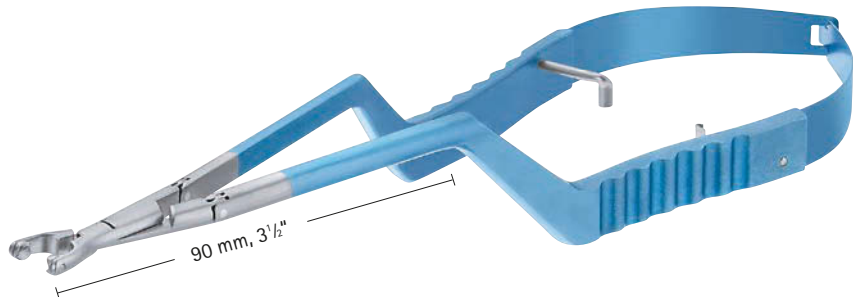
MINI



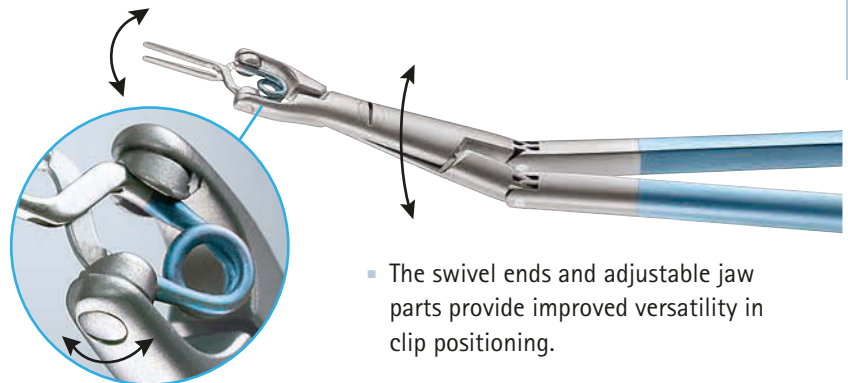
FT412T



FT402T



Total length: 220 mm, 8 3/4"  
Gesamtlänge: 220 mm, 8 3/4"



- The swivel ends and adjustable jaw parts provide improved versatility in clip positioning.
- Individuelle Clip-Applikation durch schwenkbares Ende und verstellbare Tellermaulteile.



FT402800

Adjusting Key  
Einstellplättchen



- Adjusting Key for Vario Clip Applier for setting the swivel at an angle.
- Einstellplättchen für die Vario-Clip-Anlegezange zum Verstellen der Tellermaulteile.

APPLIERS FOR TITANIUM CLIPS

# Aesculap® YASARGIL Aneurysm Clip System XS Clip Applier for Titanium Clips

- Distinction between Standard and Mini Clip applicators through label inside the handle
- Unterschied zwischen Standard und Mini Clip Anlegezangen ist durch eine Markierung im Handgriff zu erkennen

APPLIERS FOR TITANIUM CLIPS

## STANDARD

## MINI



FT494T



FT489T

- 360° rotation
- Suitable for narrow approaches
- 360° drehbar
- Geeignet für enge Zugänge

**NEW**



Total length: 190 mm, 7"  
Gesamtlänge: 190 mm, 7"



FT495T



FT490T



Total length: 230 mm, 9"  
Gesamtlänge: 230 mm, 9"



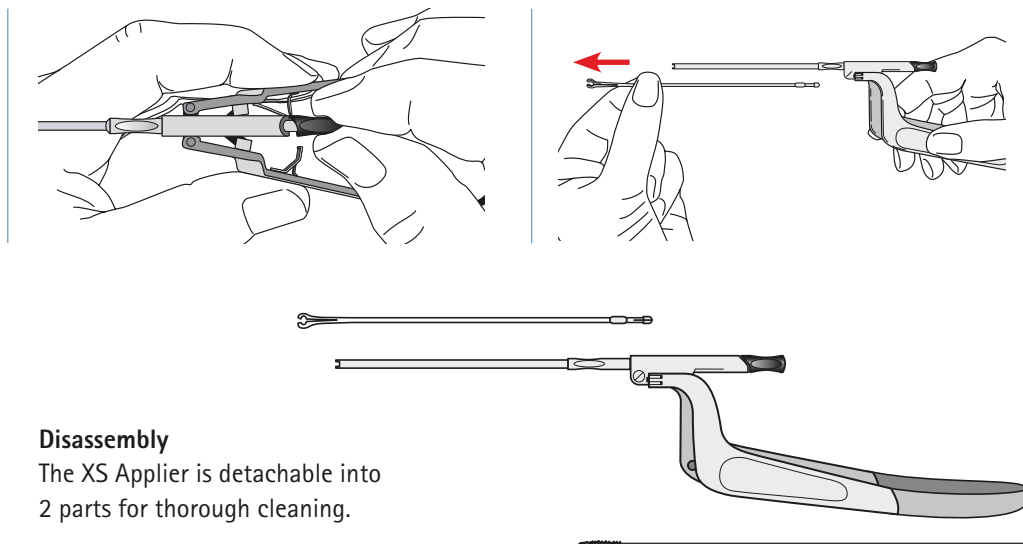
FT496T



FT491T



Total length: 250 mm, 9 3/4"  
Gesamtlänge: 250mm, 9 3/4"



### Disassembly

The XS Applier is detachable into 2 parts for thorough cleaning.

A cleaning brush is provided free of charge with every applier.

### Zerlegbarkeit

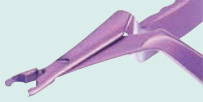
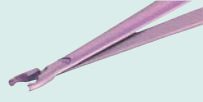
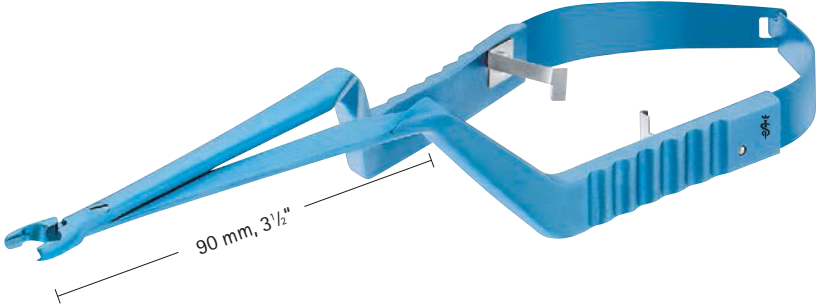
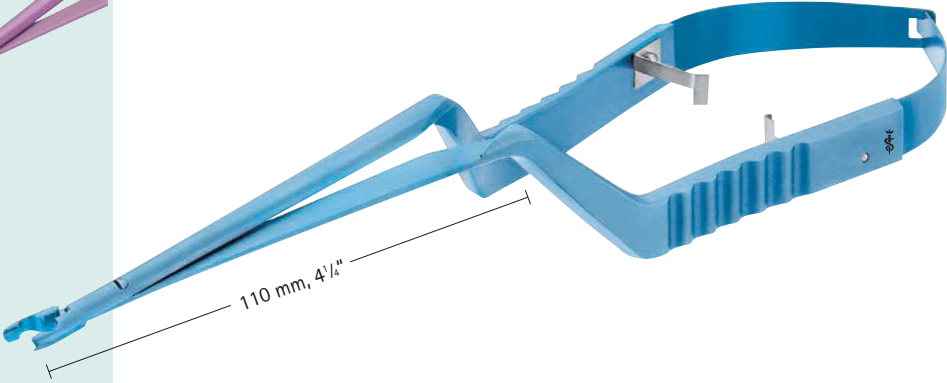
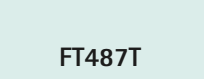
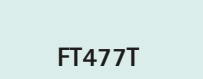
Zur gründlichen Reinigung ist die XS Anlegezange in 2 Teile zerlegbar.

Mit jeder Anlegezange wird eine kleine Reinigungsbürste gratis mitgeliefert.

# Aesculap® YASARGIL Aneurysm Clip System

## YASARGIL Clip Applier for Titanium Clips

- Color coding blue for Standard and violet for Mini clips
- Farbkodierung Blau für Standard und Violet für Mini clips

|                             | STANDARD                                                                            | MINI                                                                                |                                                                                      |                                                                                     |                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| APPLIERS FOR TITANIUM CLIPS |    |    |    |    | straight<br>gerade                                                  |
|                             | FT480T                                                                              | FT470T                                                                              |                                                                                      |                                                                                     | Total length: 180 mm, 7 inch<br>Gesamtlänge: 180 mm, 7 inch         |
|                             |   |   |   |  | straight<br>gerade                                                  |
|                             | FT482T                                                                              | FT472T                                                                              |                                                                                      |                                                                                     |                                                                     |
|                             |  |  |  |  | 15° angled<br>15° aufgebogen                                        |
|                             | FT485T                                                                              | FT475T                                                                              |                                                                                      |                                                                                     | Total length: 220 mm, 8 3/4 inch<br>Gesamtlänge: 220 mm, 8 3/4 inch |
|                             |  |  |  |  | straight<br>gerade                                                  |
|                             | FT484T                                                                              | FT474T                                                                              |                                                                                      |                                                                                     |                                                                     |
|                             |  |  |  |  | 15° angled<br>15° aufgebogen                                        |
|                             | FT487T                                                                              | FT477T                                                                              |                                                                                      |                                                                                     | Total length: 250 mm, 9 3/4 inch<br>Gesamtlänge: 250 mm, 9 3/4 inch |



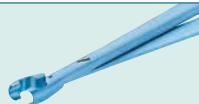
# Aesculap® YASARGIL Aneurysm Clip System

## Removing Forceps for Titanium Clips

Aesculap Neurosurgery

### STANDARD

### MINI

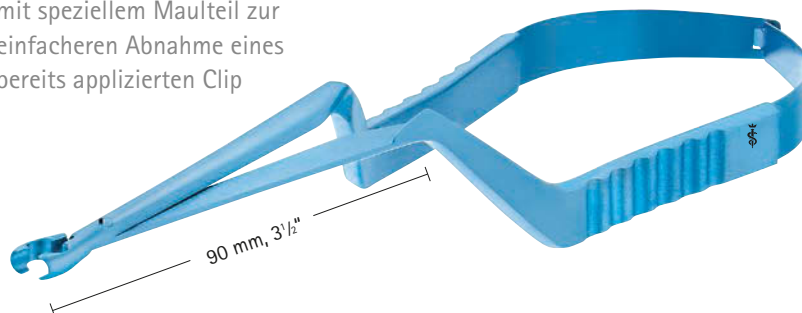


FT082T

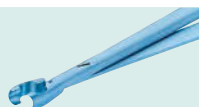


FT072T

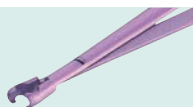
- With special jaws for easier removal of an applied clip
- mit speziellem Maulteil zur einfacheren Abnahme eines bereits applizierten Clip



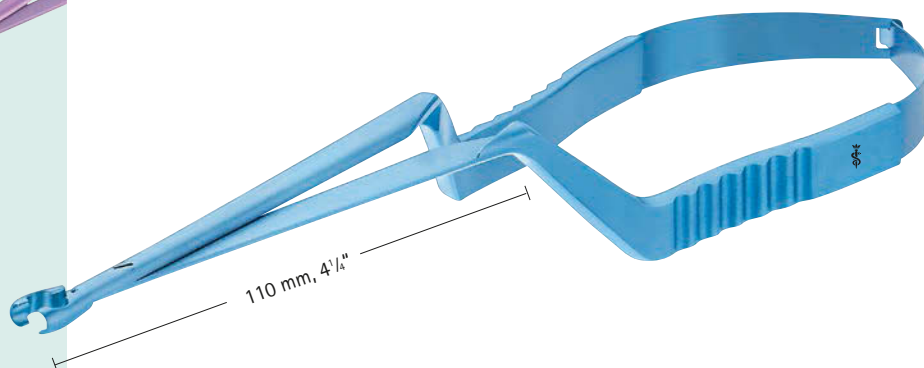
Total length: 220 mm, 8 3/4"  
Gesamtlänge: 220 mm, 8 3/4"



FT083T



FT073T



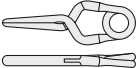
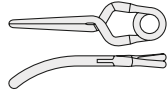
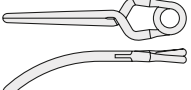
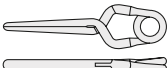
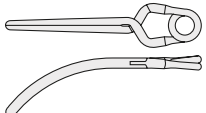
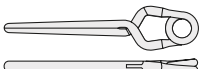
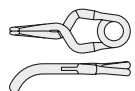
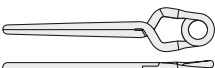
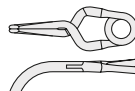
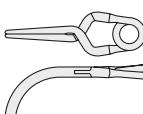
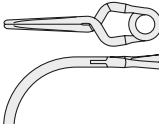
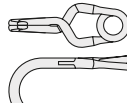
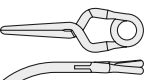
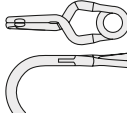
Total length: 250 mm, 9 3/4"  
Gesamtlänge: 250 mm, 9 3/4"





# Aesculap® YASARGIL Aneurysm Clip System

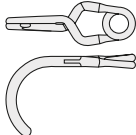
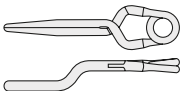
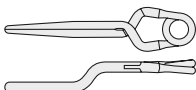
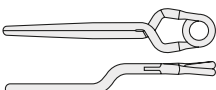
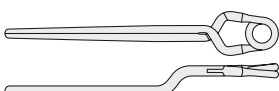
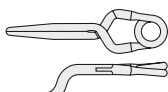
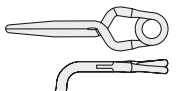
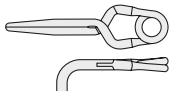
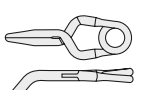
## Phynox Standard Clips

| PHYNOX STANDARD | PERMANENT            |                                                                                     |                                  |                                           |                                      |     | PERMANENT            |                                                                                       |                                  |                                           |                                      |     |
|-----------------|----------------------|-------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|--------------------------------------|-----|----------------------|---------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|--------------------------------------|-----|
|                 | Art. No.<br>Art. Nr. |    | Blade length<br>Mauillänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     | Art. No.<br>Art. Nr. |    | Blade length<br>Mauillänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|                 | FE740K               |    | 7.0                              | 6.2                                       | 1.47                                 | 150 | FE762K               |    | 10.2                             | 7.5                                       | 1.77                                 | 180 |
|                 | FE750K               |    | 9.0                              | 7.0                                       | 1.77                                 | 180 | FE782K               |    | 13.7                             | 8.7                                       | 1.96                                 | 200 |
|                 | FE760K               |   | 11.0                             | 7.8                                       | 1.77                                 | 180 | FE786K               |    | 15.3                             | 9.8                                       | 1.96                                 | 200 |
|                 | FE780K               |  | 15.0                             | 9.2                                       | 1.96                                 | 200 | FE744K               |  | 5.4                              | 5.5                                       | 1.47                                 | 150 |
|                 | FE792K               |  | 17.5                             | 10.6                                      | 1.96                                 | 200 | FE754K               |  | 6.4                              | 6.1                                       | 1.77                                 | 180 |
|                 | FE790K               |  | 20.0                             | 11.4                                      | 1.96                                 | 200 | FE764K               |  | 8.0                              | 6.5                                       | 1.77                                 | 180 |
|                 | FE840K               |  | 25.0                             | 13.3                                      | 1.77                                 | 180 | FE784K               |  | 10.3                             | 7.4                                       | 1.96                                 | 200 |
|                 | FE742K               |  | 6.5                              | 6.0                                       | 1.47                                 | 150 | FE823K               |  | 7.4                              | 5.4                                       | 1.77                                 | 180 |
|                 | FE752K               |  | 8.3                              | 6.8                                       | 1.77                                 | 180 | FE824K               |  | 8.4                              | 5.8                                       | 1.77                                 | 180 |

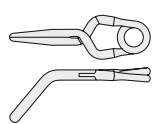
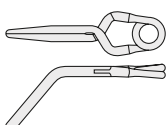
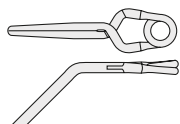
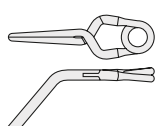
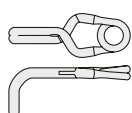
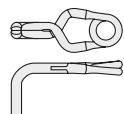
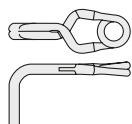
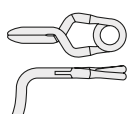
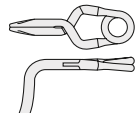
- MRI examinations using magnetic fields of 1.5 and 3.0 Tesla do not present an additional risk to implant wearers
- Color coding with silver spring and blades (permanent clip)
- Sterile packaging

- Bei MRT-Untersuchungen mit 1,5 und 3,0 Tesla ergibt sich für den Implantat-träger kein zusätzliches Risiko durch magnetisch induzierte Kräfte
- Farbkodierung durch silberne Feder und Maulteile (permanenter Clip)
- steril verpackt

## PERMANENT

| Art. No.<br>Art. Nr. |    | Blade length<br>Maullänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|----------------------|-------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------|--------------------------------------|-----|
| FE825K               |    | 10.5                            | 6.2                                       | 1.77                                 | 180 |
| FE748K               |    | 7.0                             | 7.9                                       | 1.96                                 | 200 |
| FE758K               |   | 9.0                             | 8.7                                       | 1.96                                 | 200 |
| FE759K               |  | 12.0                            | 10.2                                      | 1.96                                 | 200 |
| FE798K               |  | 20.0                            | 13.0                                      | 1.77                                 | 180 |
| FE770K               |  | 5.0                             | 8.0                                       | 1.96                                 | 200 |
| FE771K               |  | 5.0                             | 8.0                                       | 1.96                                 | 200 |
| FE772K               |  | 5.0                             | 8.0                                       | 1.96                                 | 200 |
| FE603K               |  | 6.1                             | 6.5                                       | 1.96                                 | 200 |

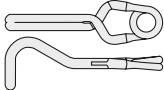
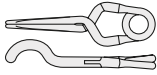
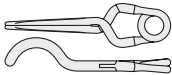
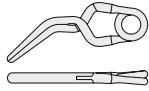
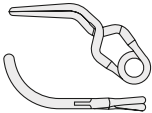
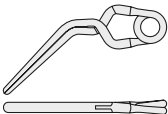
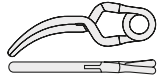
## PERMANENT

| Art. No.<br>Art. Nr. |    | Blade length<br>Maullänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|----------------------|---------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------|--------------------------------------|-----|
| FE613K               |    | 8.0                             | 6.2                                       | 1.96                                 | 200 |
| FE623K               |    | 10.6                            | 7.8                                       | 1.96                                 | 200 |
| FE763K               |   | 11.8                            | 8.4                                       | 1.96                                 | 200 |
| FE810K               |  | 9.0                             | 6.5                                       | 1.96                                 | 200 |
| FE819K               |  | 5.0                             | 5.6                                       | 1.96                                 | 200 |
| FE820K               |  | 7.0                             | 4.5                                       | 1.96                                 | 200 |
| FE822K               |  | 10.0                            | 5.6                                       | 1.96                                 | 200 |
| FE850K               |  | 6.7                             | 5.4                                       | 1.96                                 | 200 |
| FE851K               |  | 9.0                             | 5.6                                       | 1.96                                 | 200 |



# Aesculap® YASARGIL Aneurysm Clip System

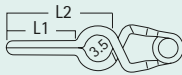
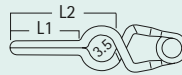
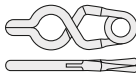
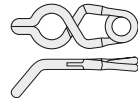
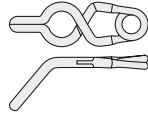
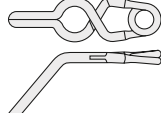
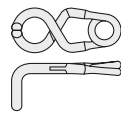
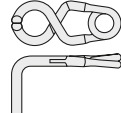
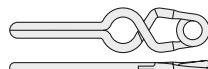
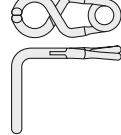
## Phynox Standard Clips

| PHYNOX STANDARD | PERMANENT            |                                                                                     |                                 |                                           |                                      |     |
|-----------------|----------------------|-------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------|--------------------------------------|-----|
|                 | Art. No.<br>Art. Nr. |    | Blade length<br>Maullänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|                 | FE830K               |    | 7.0                             | 7.2                                       | 1.96                                 | 200 |
|                 | FE832K               |    | 9.3                             | 7.2                                       | 1.96                                 | 200 |
|                 | FE833K               |   | 11.3                            | 8.2                                       | 1.96                                 | 200 |
|                 | FE746K               |  | 7.0                             | 5.7                                       | 1.96                                 | 200 |
|                 | FE773K               |  | 7.8                             | 6.5                                       | 1.77                                 | 180 |
|                 | FE761K               |  | 11.4                            | 8.0                                       | 1.96                                 | 200 |
|                 | FE747K               |  | 8.6                             | 7.0                                       | 1.77                                 | 180 |
|                 |                      |                                                                                     |                                 |                                           |                                      |     |

# Aesculap® YASARGIL Aneurysm Clip System

## Phynox Standard Clips with Fenestration, 3.5 mm

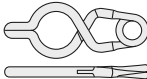
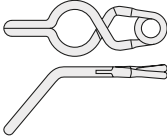
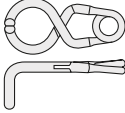
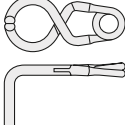
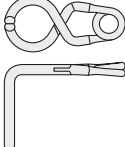
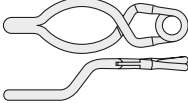
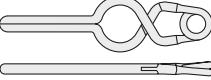
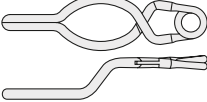
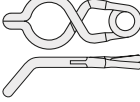
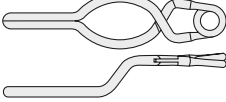
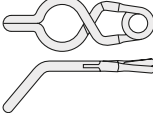
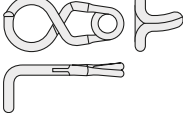
Aesculap Neurosurgery

| PERMANENT            |                                                                                     |                                                              |  |                                          |                                              |                               | PERMANENT |                      |                                                                                       |                                                              |  |                                          |                                              |                               |     |
|----------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------|--|------------------------------------------|----------------------------------------------|-------------------------------|-----------|----------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|--|------------------------------------------|----------------------------------------------|-------------------------------|-----|
| Art. No.<br>Art. Nr. |    | Diameter of fenestration 3.5 mm<br>Fensterdurchmesser 3,5 mm |  | Blade length<br>Maullänge<br>mm<br>L1/L2 | Maximal opening<br>maximale<br>Öffnung<br>mm | Closing force<br>Schließkraft |           | Art. No.<br>Art. Nr. |     | Diameter of fenestration 3.5 mm<br>Fensterdurchmesser 3,5 mm |  | Blade length<br>Maullänge<br>mm<br>L1/L2 | Maximal opening<br>maximale<br>Öffnung<br>mm | Closing force<br>Schließkraft |     |
|                      |                                                                                     |                                                              |  |                                          |                                              | N                             | g         |                      |                                                                                       |                                                              |  |                                          |                                              | N                             | g   |
| FE597K               |    |                                                              |  | 3/8.1                                    | 6.5                                          | 1.47                          | 150       | FE602K               |    |                                                              |  | 5/7.3                                    | 5.8                                          | 1.47                          | 150 |
| FE598K               |    |                                                              |  | 4/9.1                                    | 6.6                                          | 1.47                          | 150       | FE612K               |    |                                                              |  | 7.5/8.9                                  | 6.5                                          | 1.47                          | 150 |
| FE599K               |  |                                                              |  | 5/10.1                                   | 7.0                                          | 1.47                          | 150       | FE622K               |   |                                                              |  | 10/10.5                                  | 7.2                                          | 1.77                          | 180 |
| FE600K               |  |                                                              |  | 6/11                                     | 7.4                                          | 1.47                          | 150       | FE604K               |  |                                                              |  | 5/4.9                                    | 4.9                                          | 1.47                          | 150 |
| FE610K               |  |                                                              |  | 9/14                                     | 8.4                                          | 1.47                          | 150       | FE614K               |  |                                                              |  | 7.5/4.9                                  | 4.9                                          | 1.47                          | 150 |
| FE620K               |  |                                                              |  | 12/17                                    | 9.6                                          | 1.77                          | 180       | FE624K               |  |                                                              |  | 10/4.9                                   | 4.9                                          | 1.77                          | 180 |

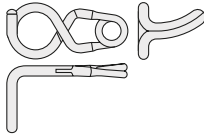
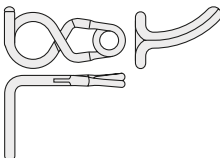
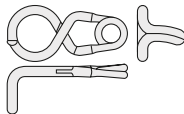
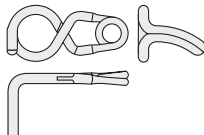
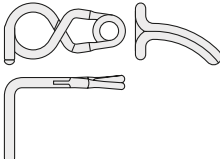
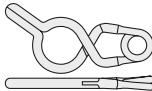
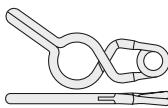
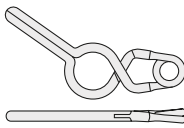
PHYNEX STANDARD

# Aesculap® YASARGIL Aneurysm Clip System

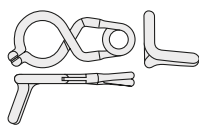
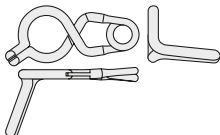
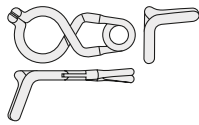
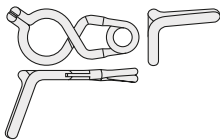
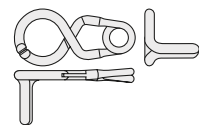
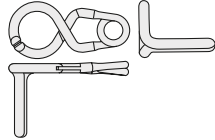
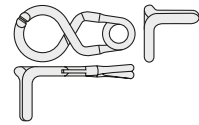
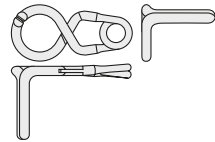
## Phynox Standard Clips with Fenestration, 5.0 mm

| PHYNOX STANDARD | PERMANENT            |                                                                                     |                                                          |                                          |                                              |                                           | PERMANENT            |                                                                                       |                                                          |                                          |                                              |                                           |
|-----------------|----------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------|----------------------------------------------|-------------------------------------------|----------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------|----------------------------------------------|-------------------------------------------|
|                 | Art. No.<br>Art. Nr. |    | Diameter of fenestration 5 mm<br>Fensterdurchmesser 5 mm | Blade length<br>Maullänge<br>mm<br>L1/L2 | Maximal opening<br>maximale<br>Öffnung<br>mm | Closing force<br>Schließkraft<br>N      g | Art. No.<br>Art. Nr. |     | Diameter of fenestration 5 mm<br>Fensterdurchmesser 5 mm | Blade length<br>Maullänge<br>mm<br>L1/L2 | Maximal opening<br>maximale<br>Öffnung<br>mm | Closing force<br>Schließkraft<br>N      g |
|                 | FE637K               |    |                                                          | 3/9.8                                    | 6.7                                          | 1.47    150                               | FE662K               |     |                                                          | 10/12.2                                  | 7.8                                          | 1.77    180                               |
|                 | FE638K               |    |                                                          | 4/10.8                                   | 7.1                                          | 1.47    150                               | FE644K               |    |                                                          | 5/6.4                                    | 5.5                                          | 1.47    150                               |
|                 | FE639K               |  |                                                          | 5/11.8                                   | 7.5                                          | 1.47    150                               | FE654K               |  |                                                          | 7.5/6.4                                  | 5.5                                          | 1.47    150                               |
|                 | FE640K               |  |                                                          | 6/12.7                                   | 7.9                                          | 1.47    150                               | FE664K               |  |                                                          | 10/6.4                                   | 5.5                                          | 1.77    180                               |
|                 | FE650K               |  |                                                          | 9/15.7                                   | 9.1                                          | 1.47    150                               | FE648K               |   |                                                          | 5/15.2                                   | 7.9                                          | 1.47    150                               |
|                 | FE660K               |  |                                                          | 12/18.7                                  | 10.3                                         | 1.77    180                               | FE658K               |   |                                                          | 7.5/17.7                                 | 8.8                                          | 1.47    150                               |
|                 | FE642K               |  |                                                          | 5/9                                      | 6.5                                          | 1.47    150                               | FE668K               |   |                                                          | 10/20.2                                  | 10.0                                         | 1.77    180                               |
|                 | FE652K               |  |                                                          | 7.5/10.6                                 | 7.2                                          | 1.47    150                               | FE774K               |   |                                                          | 5/6.7                                    | 5.0                                          | 1.47    150                               |

## PERMANENT

| Art. No.<br>Art. Nr. |    | Diameter of fenestration 5 mm<br>Fensterdurchmesser 5 mm |  | Blade length<br>Maullänge<br>mm<br>L1/L2 |  | Maximal opening<br>maximale<br>Öffnung<br>mm |  | Closing force<br>Schließkraft<br>N g |     |
|----------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------|--|------------------------------------------|--|----------------------------------------------|--|--------------------------------------|-----|
|                      |                                                                                     |                                                          |  |                                          |  |                                              |  |                                      |     |
| FE775K               |    |                                                          |  | 7.5/6.7                                  |  | 5.0                                          |  | 1.47                                 | 150 |
| FE776K               |    |                                                          |  | 10/6.7                                   |  | 5.0                                          |  | 1.47                                 | 150 |
| FE777K               |  |                                                          |  | 5/6.7                                    |  | 5.0                                          |  | 1.47                                 | 150 |
| FE778K               |  |                                                          |  | 7.5/6.7                                  |  | 5.0                                          |  | 1.47                                 | 150 |
| FE779K               |  |                                                          |  | 10/6.7                                   |  | 5.0                                          |  | 1.47                                 | 150 |
| FE881K               |  |                                                          |  | 5/10.4                                   |  | 7.0                                          |  | 1.47                                 | 150 |
| FE882K               |  |                                                          |  | 7.5/12.4                                 |  | 7.8                                          |  | 1.47                                 | 150 |
| FE883K               |  |                                                          |  | 10/14.5                                  |  | 8.8                                          |  | 1.47                                 | 150 |

## PERMANENT

| Art. No.<br>Art. Nr. |    | Diameter of fenestration 5 mm<br>Fensterdurchmesser 5 mm |  | Blade length<br>Maullänge<br>mm<br>L1/L2 |  | Maximal opening<br>maximale<br>Öffnung<br>mm |  | Closing force<br>Schließkraft<br>N g |     |
|----------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------|--|------------------------------------------|--|----------------------------------------------|--|--------------------------------------|-----|
|                      |                                                                                      |                                                          |  |                                          |  |                                              |  |                                      |     |
| FE886K               |    |                                                          |  | 5/7.4                                    |  | 5.0                                          |  | 1.47                                 | 150 |
| FE887K               |    |                                                          |  | 7.5/8.1                                  |  | 5.0                                          |  | 1.47                                 | 150 |
| FE888K               |  |                                                          |  | 5/7.4                                    |  | 5.0                                          |  | 1.47                                 | 150 |
| FE889K               |  |                                                          |  | 7.5/8.1                                  |  | 5.0                                          |  | 1.47                                 | 150 |
| FE891K               |  |                                                          |  | 5/6.6                                    |  | 5.0                                          |  | 1.47                                 | 150 |
| FE892K               |  |                                                          |  | 7.5/6.6                                  |  | 5.0                                          |  | 1.47                                 | 150 |
| FE893K               |  |                                                          |  | 5/6.6                                    |  | 5.0                                          |  | 1.47                                 | 150 |
| FE894K               |  |                                                          |  | 7.5/6.6                                  |  | 5.0                                          |  | 1.47                                 | 150 |

# Aesculap® YASARGIL Aneurysm Clip System

## Phynox T-Bar Clips acc. to KOPITNIK, 5.0 mm

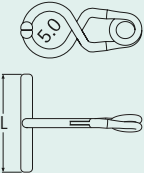
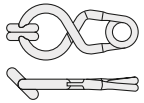
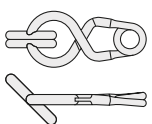
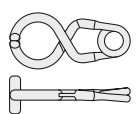
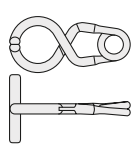
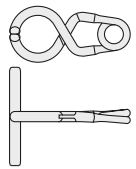
### Aneurysm clip with a unique design

The blades of the T-Bar Clip are oriented in a 90° or 45° angle to the axis of the spring plane resulting in a T-like clip form. The unique shape opens up new options for the treatment of complicated cerebral aneurysms. The spring type is identical to the existing and proven standard YASARGIL Aneurysm Clip with a 5 mm diameter fenestration.

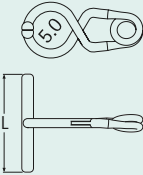
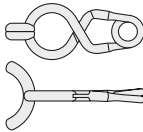
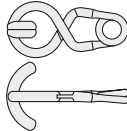
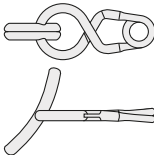
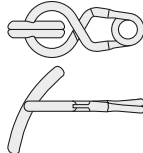
### Einzigartiges Clipdesign

Die Ebene der Maulteile liegt T-förmig im 90° oder 45° Winkel zur Ebene der Clipfeder. Diese besondere Form erweitert die Therapieoptionen bei der Behandlung von zerebralen Aneurysmen. Die Federgeometrie ist identisch mit den anderen YASARGIL Aneurysmen-Clips in Standardgröße und einer 5 mm Fensterung.

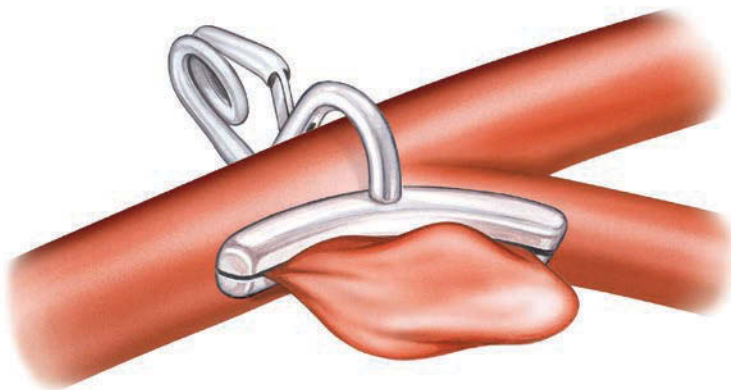
### PERMANENT

| Art. No.<br>Art. Nr. |    | Blade length<br>Maullänge<br>mm | Diameter of fenestration 5 mm<br>Fensterdurchmesser 5 mm |                                           |                               |     |
|----------------------|--------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------|-------------------------------------------|-------------------------------|-----|
|                      |                                                                                      |                                 | Angle<br>Winkel                                          | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft |     |
|                      |                                                                                      |                                 |                                                          |                                           | N                             | g   |
| FE852K               |    | 5.0                             | 45°                                                      | 5.5                                       | 1.47                          | 150 |
| FE853K               |    | 9.0                             | 45°                                                      | 5.5                                       | 1.47                          | 150 |
| FE854K               |  | 5.0                             | 90°                                                      | 5.5                                       | 1.47                          | 150 |
| FE855K               |  | 9.0                             | 90°                                                      | 5.5                                       | 1.47                          | 150 |
| FE856K               |  | 13.0                            | 90°                                                      | 5.5                                       | 1.77                          | 180 |

## PERMANENT

| Art. No.<br>Art. Nr. |    | Blade length<br>Mauillänge<br>mm | Diameter of fenestration 5 mm<br>Fensterdurchmesser 5 mm |                                           |                               |     |
|----------------------|--------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------|-------------------------------------------|-------------------------------|-----|
|                      |                                                                                      |                                  | Angle<br>Winkel                                          | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft |     |
|                      |                                                                                      |                                  |                                                          |                                           | N                             | g   |
| FE857K               |    | 9.0                              | 90°                                                      | 5.5                                       | 1.47                          | 150 |
| FE858K               |    | 9.0                              | 90°                                                      | 5.5                                       | 1.47                          | 150 |
| FE859K               |  | 13.0                             | 60°                                                      | 5.5                                       | 1.77                          | 180 |
| FE860K               |  | 13.0                             | 60°                                                      | 5.5                                       | 1.77                          | 180 |

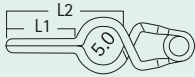
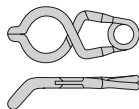
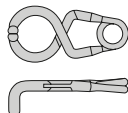
PHYNEX STANDARD





# Aesculap® YASARGIL Aneurysm Clip System

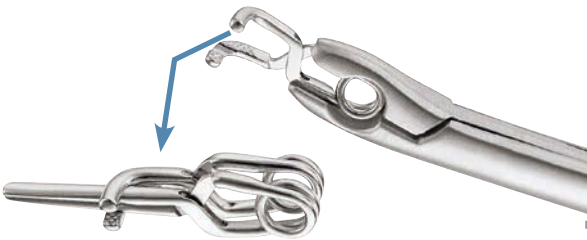
## ULTRA SHORT FENESTRATED Aneurysm Clip, 5.0 mm

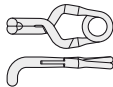
| PHYNOX STANDARD | PERMANENT            |                                                                                    |                                                          |                                              |                                        |
|-----------------|----------------------|------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|----------------------------------------|
|                 | Art. No.<br>Art. Nr. |  | Diameter of fenestration 5 mm<br>Fensterdurchmesser 5 mm |                                              |                                        |
|                 |                      |                                                                                    | Blade length<br>Maullänge<br>mm<br>L1/L2                 | Maximal opening<br>maximale<br>Öffnung<br>mm | Closing force<br>Schließkraft<br><br>N |
|                 | FE942K               |  | 3.0/8.1                                                  | 6.0                                          | 1.47                                   |
|                 | FE944K               |  | 3.0/6.4                                                  | 5.5                                          | 1.47                                   |
|                 |                      |                                                                                    |                                                          |                                              |                                        |
|                 |                      |                                                                                    |                                                          |                                              |                                        |
|                 |                      |                                                                                    |                                                          |                                              |                                        |
|                 |                      |                                                                                    |                                                          |                                              |                                        |
|                 |                      |                                                                                    |                                                          |                                              |                                        |

### Phynox Reinforcing Clip

Phynox reinforcing clip to increase the closing force of YASARGIL Phynox Standard Aneurysm Clips.

Verstärkungsclip aus Phynox, zur Erhöhung der Schließkraft von Phynox-Standard-Aneurysmenclips.



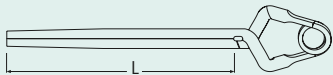
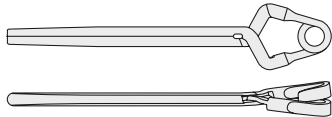
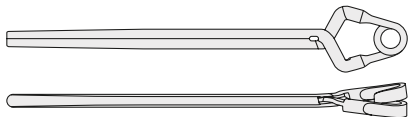
| PERMANENT                                            |  |                                                                                     |  |  |
|------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|--|
| <div> <div>Art. No.</div> <div>Art. Nr.</div> </div> |  |                                                                                     |  |  |
|                                                      |  |  |  |  |
| FE900TK                                              |  |                                                                                     |  |  |

# Aesculap® YASARGIL Aneurysm Clip System

## Phynox Long Clips and Applier

Aesculap Neurosurgery

### PERMANENT

| Art. No.<br>Art. Nr. |   | Blade length<br>Maullänge<br>mm<br>L1/L2 | Maximal opening<br>maximale<br>Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|----------------------|------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------|--------------------------------------|-----|
| FE861K               |   | 30                                       | 19                                           | 1.86                                 | 190 |
| FE862K               |   | 35                                       | 21                                           | 1.96                                 | 200 |
| FE863K               |  | 40                                       | 23                                           | 1.96                                 | 200 |

- Clip with extra long blades for the treatment of giant aneurysms.
- Clips mit extra langem Maulteil zur Behandlung von Riesenaneurysmen.

### Clip Applier for Long Clips

#### Clip-Anlegezange für Long Clips

- With „active“ locking mechanism; the applier can be used with or without the lock being activated.
- Mit „aktiver“ Sperre; die Anlegezange kann mit oder ohne Betätigen der Sperre eingesetzt werden.

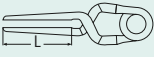
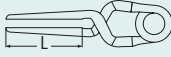
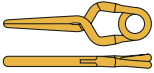
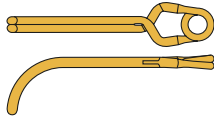
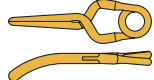
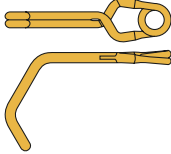
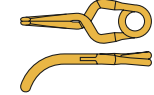
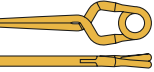
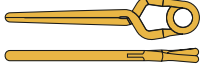
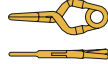
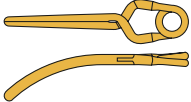
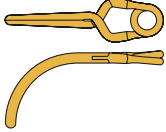
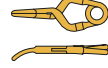
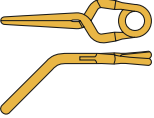
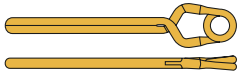
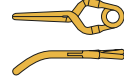
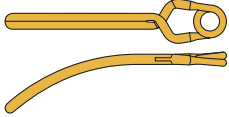
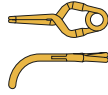


FE560K

Total length: 200 mm, 7 7/8"  
Gesamtlänge: 200 mm, 7 7/8"

# Aesculap® YASARGIL Aneurysm Clip System

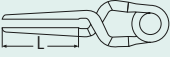
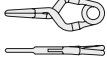
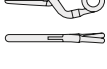
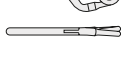
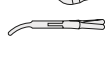
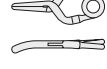
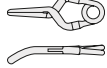
## Phynox Standard and Mini Clips

| PHYNOX STANDARD AND MINI | TEMPORARY TEMPORÄR (STANDARD) |                                                                                     |                                  |                                           |                                      |    | TEMPORARY TEMPORÄR (STANDARD) |                                                                                       |                                  |                                           |                                      |    |
|--------------------------|-------------------------------|-------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|--------------------------------------|----|-------------------------------|---------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|--------------------------------------|----|
|                          | Art. No.<br>Art. Nr.          |    | Blade length<br>Mauillänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |    | Art. No.<br>Art. Nr.          |     | Blade length<br>Mauillänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |    |
|                          | FE751K                        |    | 9.0                              | 7.0                                       | 0.69                                 | 70 | FE795K                        |     | 16.8                             | 9.9                                       | 0.88                                 | 90 |
|                          | FE753K                        |    | 8.4                              | 6.8                                       | 0.69                                 | 70 | FE801K                        |     | 13.0                             | 7.5                                       | 0.88                                 | 90 |
|                          | FE755K                        |    | 6.7                              | 6.1                                       | 0.69                                 | 70 | TEMPORARY TEMPORÄR (MINI)     |                                                                                       |                                  |                                           |                                      |    |
|                          | FE769K                        |  | 11.0                             | 7.8                                       | 0.69                                 | 70 | FE681K                        |  | 3.0                              | 3.3                                       | 0.49                                 | 50 |
|                          | FE781K                        |  | 15.0                             | 9.2                                       | 0.69                                 | 70 | FE691K                        |  | 5.0                              | 4.0                                       | 0.49                                 | 50 |
|                          | FE783K                        |  | 13.8                             | 8.7                                       | 0.69                                 | 70 | FE683K                        |  | 2.8                              | 3.2                                       | 0.49                                 | 50 |
|                          | FE785K                        |  | 10.4                             | 7.4                                       | 0.69                                 | 70 | FE693K                        |  | 4.7                              | 3.8                                       | 0.49                                 | 50 |
|                          | FE756K                        |  | 9.1                              | 6.2                                       | 0.69                                 | 70 | FE721K                        |  | 7.0                              | 4.6                                       | 0.69                                 | 70 |
|                          | FE791K                        |  | 20.0                             | 11.4                                      | 0.88                                 | 90 | FE723K                        |  | 6.6                              | 4.4                                       | 0.69                                 | 70 |
|                          | FE793K                        |  | 18.7                             | 11.0                                      | 0.88                                 | 90 | FE725K                        |  | 5.0                              | 4.0                                       | 0.69                                 | 70 |

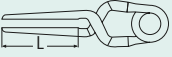
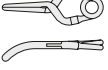
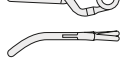
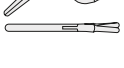
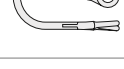
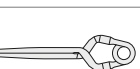
- MRI examinations using magnetic fields of 1.5 and 3.0 Tesla do not present an additional risk to implant wearers
- Color coding with silver spring and blades (permanent clip)

- Bei MRT-Untersuchungen mit 1,5 und 3,0 Tesla ergibt sich für den Implantat-träger kein zusätzliches Risiko durch magnetisch induzierte Kräfte
- Farbkodierung durch silberne Feder und Maulteile (permanenter Clip)

## PERMANENT (MINI)

| Art. No.<br>Art. Nr. |    | Blade length<br>Maullänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|----------------------|-------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------|--------------------------------------|-----|
| FE680K               |    | 3.0                             | 3.3                                       | 1.08                                 | 110 |
| FE690K               |    | 5.0                             | 4.0                                       | 1.08                                 | 110 |
| FE700K               |    | 3.0                             | 3.3                                       | 1.08                                 | 110 |
| FE710K               |  | 5.0                             | 4.0                                       | 1.08                                 | 110 |
| FE720K               |  | 7.0                             | 4.6                                       | 1.08                                 | 110 |
| FE682K               |  | 2.8                             | 3.2                                       | 1.08                                 | 110 |
| FE692K               |  | 4.7                             | 3.8                                       | 1.08                                 | 110 |
| FE694K               |  | 4.0                             | 3.6                                       | 1.08                                 | 110 |
| FE711K               |  | 4.0                             | 3.6                                       | 1.08                                 | 110 |
| FE712K               |  | 4.7                             | 3.8                                       | 1.08                                 | 110 |

## PERMANENT (MINI)

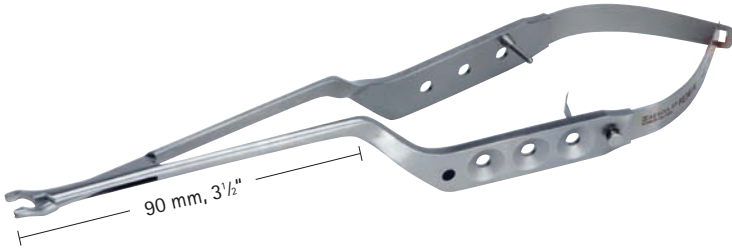
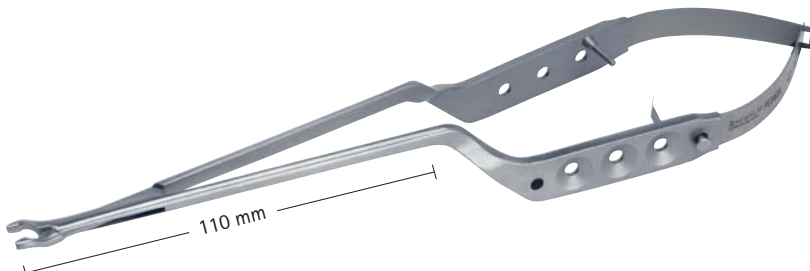
| Art. No.<br>Art. Nr. |    | Blade length<br>Maullänge<br>mm | Maximal opening<br>maximale Öffnung<br>mm | Closing force<br>Schließkraft<br>N g |     |
|----------------------|---------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------|--------------------------------------|-----|
| FE713K               |    | 4.0                             | 3.6                                       | 1.08                                 | 110 |
| FE726K               |    | 5.2                             | 4.0                                       | 1.08                                 | 110 |
| FE722K               |    | 6.6                             | 4.4                                       | 1.08                                 | 110 |
| FE714K               |  | 3.9                             | 3.5                                       | 1.08                                 | 110 |
| FE724K               |  | 5.0                             | 4.0                                       | 1.08                                 | 110 |
| FE716K               |  | 5.0                             | 3.5                                       | 1.28                                 | 130 |
| FE807K               |  | 4.7                             | 4.0                                       | 1.08                                 | 110 |
| FE717K               |  | 6.3                             | 6.0                                       | 1.28                                 | 130 |
| FE727K               |  | 4.0                             | 7.0                                       | 1.28                                 | 130 |
| FE728K               |  | 7.0                             | 5.7                                       | 1.28                                 | 130 |
| FE806K               |  | 7.0                             | 4.5                                       | 1.28                                 | 130 |

# Aesculap® YASARGIL Aneurysm Clip System

## Double Bayonet Clip Applier for Phynox Clips

■ Color coding is realized as a colored button in the handle area (● = Standard; ● = Mini)

■ Farbkodierung durch einen Farbknopf im Griffbereich

| APPLIERS FOR PHYNOX CLIPS | STANDARD                                                                           | MINI                                                                                |                                                                                      |                                                             |
|---------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                           |    |    |    |                                                             |
|                           | FE301K                                                                             | FE311K                                                                              | with latch<br>mit Sperre                                                             |                                                             |
|                           | FE305K                                                                             | FE315K                                                                              | without latch<br>ohne Sperre                                                         | Total length: 225 mm, 8 7/8"<br>Gesamtlänge: 225 mm, 8 7/8" |
|                           |  |  |  |                                                             |
|                           | FE302K                                                                             | FE312K                                                                              | with latch<br>mit Sperre                                                             |                                                             |
|                           | FE306K                                                                             | FE316K                                                                              | without latch<br>ohne Sperre                                                         | Total length: 245 mm, 9 5/8"<br>Gesamtlänge: 245 mm, 9 5/8" |
|                           |                                                                                    |                                                                                     |                                                                                      |                                                             |
|                           |                                                                                    |                                                                                     |                                                                                      |                                                             |
|                           |                                                                                    |                                                                                     |                                                                                      |                                                             |



- The Double Bayonet Clip Applier has an additional bayonet shape at the jaw.
- Die Doppelbajonett Anlegezange hat eine zusätzliche Bajonettform am Maulteil.



- This leads to a better view of the clip.
- Dies führt zu einem besseren Blick auf den Clip.

# Aesculap® YASARGIL Aneurysm Clip System

## Vario Clip Applier for Phynox Clips

Aesculap Neurosurgery

- Distinction between Standard and Mini Clip applicators through label on the spring
- Unterschied zwischen Standard und Mini Clip Anlegezangen ist durch eine Markierung im Innenhandgriff zu erkennen

STANDARD

MINI

For AESCULAP YASARGIL  
STANDARD - Phynox-Clips only

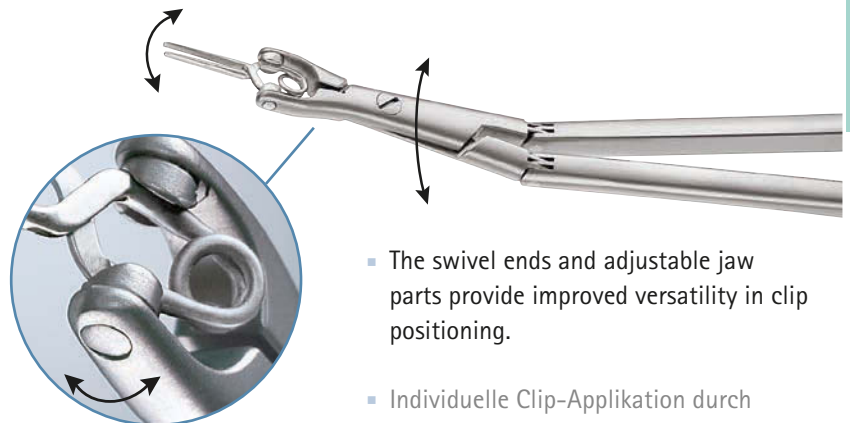
For AESCULAP YASARGIL  
MINI - Phynox-Clips only

FE512T

FE502T



Total length: 210 mm, 8 1/4"  
Gesamtlänge: 210 mm, 8 1/4"



- The swivel ends and adjustable jaw parts provide improved versatility in clip positioning.
- Individuelle Clip-Applikation durch schwenkbares Ende und verstellbare Tellermauteile.



- Adjusting Key for Vario Clip Applier for setting the swivel at an angle.
- Einstellplättchen für die Vario-Clip-Anlegezange zum Verstellen der Tellermauteile.



FT402800

Adjusting Key  
Einstellplättchen

APPLIERS FOR PHYNOK CLIPS



# Aesculap® YASARGIL Aneurysm Clip System XS Clip Applier for Phynox Clips

- Distinction between Standard and Mini Clip applicators through label inside the handle
- Unterschied zwischen Standard und Mini Clip Anlegezangen ist durch eine Markierung im Innenhandgriff zu erkennen

APPLIERS FOR PHYNOX CLIPS

## STANDARD

## MINI



FE495K



FE490K

- 360° rotation
- Suitable for narrow approaches
- 360° drehbar
- geeignet für enge Zugänge



Total length: 230 mm, 9"  
Gesamtlänge: 230 mm, 9"



FE496K



FE491K



Total length: 250 mm, 9 3/4"  
Gesamtlänge: 250 mm, 9 3/4"

### Disassembly

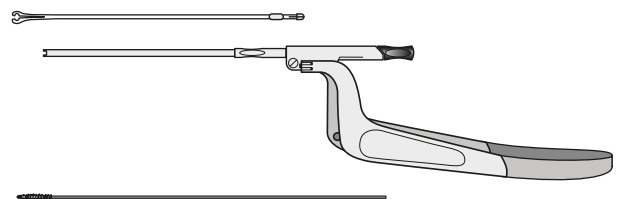
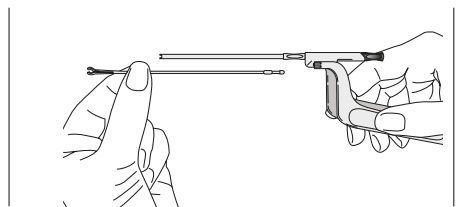
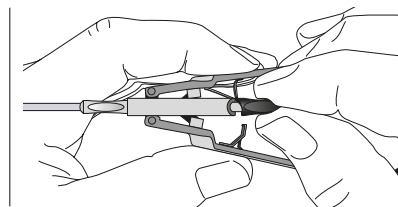
The XS Applier is detachable into 2 parts for thorough cleaning.

A cleaning brush is provided free of charge with every applier.

### Zerlegbarkeit

Zur gründlichen Reinigung ist die XS Anlegezange in 2 Teile zerlegbar.

Mit jeder Anlegezange wird eine kleine Reinigungsbürste gratis mitgeliefert.

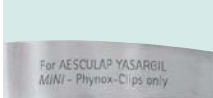


# Aesculap® YASARGIL Aneurysm Clip System

## Clip Applier for Phynox Clips

Aesculap Neurosurgery

- Distinction between Standard and Mini Clip applicators through label on the spring
- Unterschied zwischen Standard und Mini Clip Anlegezangen ist durch eine Markierung im Innenhandgriff zu erkennen

| STANDARD                                                                                                                                         | MINI                                                                                                                                          |                                                                                                                                 |                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|  <p>For Aesculap YASARGIL<br/>STANDARD - Phynox-Clips only</p>   |  <p>For Aesculap YASARGIL<br/>MINI - Phynox-Clips only</p>   |                                               |                                                                                                               |
| <b>FE558K</b>                                                                                                                                    | <b>FE548K</b>                                                                                                                                 |  <p>straight<br/>gerade</p>                    | <p>Total length: 180 mm, 7"<br/>Gesamtlänge: 180 mm, 7"</p>                                                   |
|  <p>For Aesculap YASARGIL<br/>STANDARD - Phynox-Clips only</p>   |  <p>For Aesculap YASARGIL<br/>MINI - Phynox-Clips only</p>   |  <p>50 mm, 2"</p>                            |                                                                                                               |
| <b>FE580K</b>                                                                                                                                    | <b>FE570K</b>                                                                                                                                 |  <p>straight<br/>gerade</p>                  | <p>Total length: 175 mm, 6<sup>7</sup>/<sub>8</sub>"<br/>Gesamtlänge: 175 mm, 6<sup>7</sup>/<sub>8</sub>"</p> |
|  <p>For Aesculap YASARGIL<br/>STANDARD - Phynox-Clips only</p> |  <p>For Aesculap YASARGIL<br/>MINI - Phynox-Clips only</p> |  <p>90 mm, 3<sup>1</sup>/<sub>2</sub>"</p>  |                                                                                                               |
| <b>FE582K</b>                                                                                                                                    | <b>FE572K</b>                                                                                                                                 |  <p>straight<br/>gerade</p>                  |                                                                                                               |
| <b>FE585K</b>                                                                                                                                    | <b>FE575K</b>                                                                                                                                 |  <p>15° angled<br/>15° aufgebogen</p>        | <p>Total length: 215 mm, 8<sup>1</sup>/<sub>2</sub>"<br/>Gesamtlänge: 215 mm, 8<sup>1</sup>/<sub>2</sub>"</p> |
|  <p>For Aesculap YASARGIL<br/>STANDARD - Phynox-Clips only</p> |  <p>For Aesculap YASARGIL<br/>MINI - Phynox-Clips only</p> |  <p>110 mm, 4<sup>3</sup>/<sub>8</sub>"</p> |                                                                                                               |
| <b>FE584K</b>                                                                                                                                    | <b>FE574K</b>                                                                                                                                 |  <p>straight<br/>gerade</p>                  |                                                                                                               |
| <b>FE587K</b>                                                                                                                                    | <b>FE577K</b>                                                                                                                                 |  <p>15° angled<br/>15° aufgebogen</p>        | <p>Total length: 235 mm, 9<sup>1</sup>/<sub>4</sub>"<br/>Gesamtlänge: 235 mm, 9<sup>1</sup>/<sub>4</sub>"</p> |

# Aesculap® YASARGIL Aneurysm Clip System

## Storage

FT007P  
FT006P

### Clip Tray 1/1

For storage, transport and sterilization of Aesculap YASARGIL Aneurysm Clips.

- Autoclavable plastic
- Fits 1/1 standard container
- 34 storage compartments for Standard and Mini Clips
- 4 storage compartments for Long Clips
- With special identification tags for individual tray configuration

### Clip Tray 1/2

For storage, transport and sterilization of Aesculap YASARGIL Aneurysm Clips.

- Autoclavable plastic
- Fits 1/2 standard container
- 15 storage compartments for Standard and Mini Clips
- 3 storage compartments for Long Clips
- With special identification tags for individual tray configuration

FT006P



FT007P

### Clip Tray 1/1

für die Lagerung, Transport und Sterilisation von Aesculap YASARGIL Aneurysmen-Clips.

- autoklavierbarer Kunststoff
- passend für 1/1 Standard-Container
- 34 Fächer für Standard- und Mini-Clips
- 4 Fächer für Long-Clips
- Zur individuellen Bestückung mit speziellen Kennzeichnungsschildern

### Clip Tray 1/2

für die Lagerung, Transport und Sterilisation von Aesculap YASARGIL Aneurysmen-Clips.

- autoklavierbarer Kunststoff
- passend für 1/2 Standard-Container
- 15 Fächer für Standard- und Mini-Clips
- 3 Fächer für Long-Clips
- Zur individuellen Bestückung mit speziellen Kennzeichnungsschildern

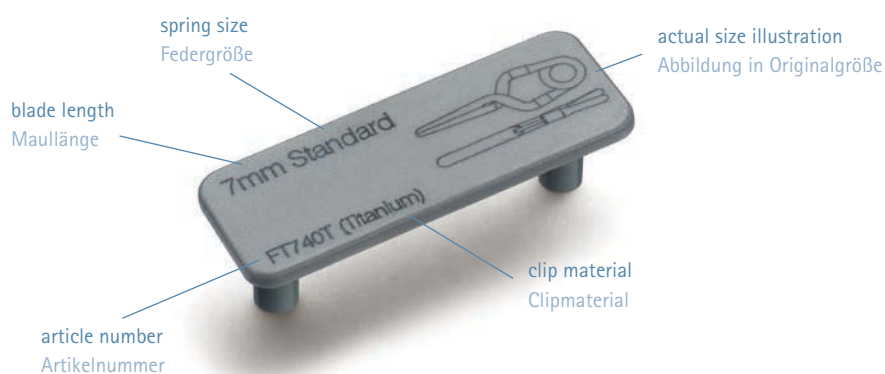


### Identification tags for the Clip Trays

Allow quick and easy recording of the necessary clip data;  
Helpful for classifying and reordering the clips that have been removed.

### Kennzeichnungsschilder für Clip-Trays

Ermöglicht eine schnelle und einfache Erfassung der benötigten Clipdaten;  
hilfreich für das Einsortieren und Nachbestellen von entnommenen Clips.



For each clip variant there is a matching identification tag.

The article numbers of the tags are as follows:

Art. No. of clip + „-TAG“

e.g.: FT740T-TAG is the identification tag for the clip FT740T

The identification tags for temporary clips are **yellow** and for permanent clips **grey** in line with the color coding of the YASARGIL Aneurysm Clips.

Für jeden YASARGIL Aneurysmen-Clip gibt es das dazugehörige Kennzeichnungsschild.

Die Artikelnummer der Schilder ergeben sich aus:

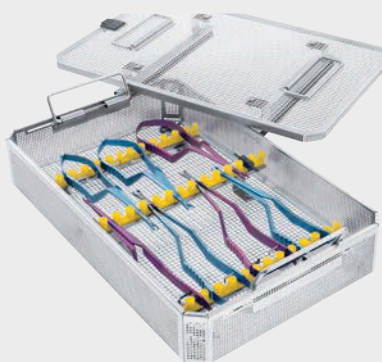
Art.-Nr. Clip + „-TAG“

Beispiel: FT740T-TAG ist das Kennzeichnungsschild für den Clip FT740T

Analog dem Farbcode der YASARGIL Aneurysmen-Clips sind die Kennzeichnungsschilder für temporäre Clips **gelb** und für permanenten Clips **grau**.

# Aesculap® YASARGIL Aneurysm Clip System Storage

FM665R



## Storage for clip applicators

Perforated basket with lid, for storage of clip applicators

## Lagerung von Anlegezangen

Siebkorb mit Deckel zur Lagerung von Clip-Anlegezangen

Address: [www.aesculap-extra.net](http://www.aesculap-extra.net)

## Patient identification card for Clip implants

- Provides traceability for physician and patient for follow-ups
- Includes information about the MRI-compatibility of the clips
- Printed version available in German and English
- Download from the Extranet possible:

C07801 ID in German

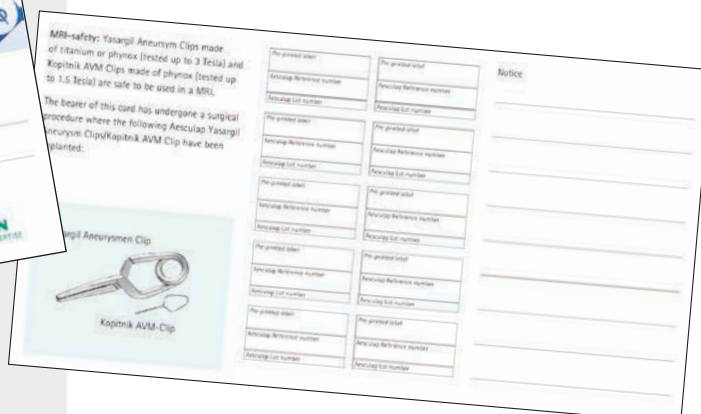
C07802 ID in English

## Patientenausweis für Clip Implantate

- ermöglicht bei späteren Nachkontrollen Rückverfolgbarkeit für Patienten und Arzt
- mit Informationen zur MRT-Kompatibilität der Clips
- gedruckte Version in deutsch und englisch erhältlich
- im Aesculap Extranet als PDF zum Herunterladen.

C07801 Ausweis in deutsch

C07802 Ausweis in englisch





For the treatment of arteriovenous malformations.

# Aesculap® KOPITNIK AVM Micro Clip System

Apart from cerebral aneurysms, arteriovenous malformations are among the most common cerebrovascular disorders. The widely renowned YASARGIL Aneurysm Clips by Aesculap form an established part of the gold standard in microsurgical aneurysm therapy. They are, also, still used in microsurgical angioma operations. However, the extremely delicate vessels often require the application of finer clips. Therefore I have developed, with Aesculap, a special AVM Micro Clip System for the microsurgical treatment of angiomas.

The KOPITNIK AVM Micro Clip System comprises straight and, for the first time, curved micro clips as well as special applying forceps. All these clips are available in the sizes (length) 2, 3, 4 and 5 mm. The applying forceps, which allows the operator an excellent view of the pathology and the clip. The slim shaft offers exceptional flexibility within the craniotomy. The rotatable shaft and the unique active lock allows the operator to apply the clips comfortably.

Another innovation incorporated in this AVM Micro Clip System is that the AVM micro clips can be applied either temporarily or permanently. Depending on the operational situation, the clips can be removed or they can be left in site as permanent implants. Phynox is a well-tried material that has proven its reliability in the production of YASARGIL Aneurysm Clips for more than 30 years. It offers excellent biocompatibility. MRI examinations using magnetic fields of 1.5 and 3.0 Tesla do not present an additional risk to implant patients.

Thomas A. Kopitnik

Arteriovenöse Missbildungen zählen neben den zerebralen Aneurysmen zu den am weit verbreiteten zerebrovaskulären Erkrankungen. Die weltbekannten YASARGIL Aneurysmenclips von Aesculap zählen zum Goldstandard in der mikrochirurgischen Aneurysmenbehandlung und werden auch heute noch bei mikrochirurgischen Angiom-Operationen eingesetzt. Für die äußerst feinen Gefäße werden jedoch oftmals delikate Clips benötigt.

Ich habe daher mit Aesculap ein spezielles AVM Mikroclip System zur mikrochirurgischen Behandlung von Angiomen entwickelt.

Das KOPITNIK AVM Mikroclip System besteht aus geraden und erstmals gebogenen Mikroclips sowie speziellen Anlegezangen. Alle Clips sind in den Längen 2, 3, 4 und 5 mm erhältlich. Eine Anlegezange mit einem speziellen Rohrschaftdesign erlaubt dem Operateur eine exzellente Sicht auf die Pathologie und den Clip. Der schlanke Rohrschaft ermöglicht eine hervorragende Flexibilität in der Kraniotomie; der drehbare Schaft sowie die einzigartige aktive Sperre bieten zusätzlich einen außergewöhnlichen Komfort für die Applikation der Clips.

Weitere Neuerungen dieses AVM Mikroclip Systems sind die wahlweise temporäre oder permanente Verwendbarkeit der AVM Mikroclips. Die Clips können entweder vor Abschluss der OP aus dem Situs entnommen werden oder, je nach OP-Situation, permanent implantiert werden. Das Material Phynox hat sich seit über 30 Jahren zur Herstellung der YASARGIL Aneurysmenclips bewährt. Es bietet eine exzellente Biokompatibilität an. Bei MRI-Untersuchungen mit 1,5 und 3,0 Tesla ergibt sich für den Implantatträger kein zusätzliches Risiko durch magnetisch induzierte Kräfte.

Thomas A. Kopitnik



The AVM Micro Clip System for the treatment of arteriovenous malformations was developed in co-operation with:

Das AVM Mikroclip System für die Behandlung von arteriovenösen Missbildungen wurde entwickelt in Zusammenarbeit mit:

**Dr. Thomas A. Kopitnik, Jr.**  
Central Wyoming Neurosurgery  
Casper, Wyoming, USA



| closing force between 50 g and 70 g<br>Schließkraft zwischen 50 g und 70 g |                                               |                                                                                     |                                     |                                                 | closing force between 50 g and 70 g<br>Schließkraft zwischen 50 g und 70 g |                                               |                                                                                       |                                     |                                                 |
|----------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------|
| Art. No.<br>Single Pack<br>Art. Nr.<br>Einzelverp.                         | Art. No.<br>4-pack<br>Art. Nr.<br>Viererverp. |                                                                                     | Blade<br>length<br>Mauillänge<br>mm | Maximal<br>opening<br>maximale<br>Öffnung<br>mm | Art. No.<br>Single Pack<br>Art. Nr.<br>Einzelverp.                         | Art. No.<br>4-pack<br>Art. Nr.<br>Viererverp. |                                                                                       | Blade<br>length<br>Mauillänge<br>mm | Maximal<br>opening<br>maximale<br>Öffnung<br>mm |
| FE902K                                                                     | FE922K                                        |    | 2                                   | 1.5                                             | FE912K                                                                     | FE932K                                        |    | 2                                   | 1.5                                             |
| FE903K                                                                     | FE923K                                        |    | 3                                   | 1.7                                             | FE913K                                                                     | FE933K                                        |    | 3                                   | 1.7                                             |
| FE904K                                                                     | FE924K                                        |    | 4                                   | 2.0                                             | FE914K                                                                     | FE934K                                        |    | 4                                   | 2.0                                             |
| FE905K                                                                     | FE925K                                        |  | 5                                   | 2.3                                             | FE915K                                                                     | FE935K                                        |  | 5                                   | 2.3                                             |



# Aesculap® KOPITNIK AVM Micro Clip System

## AVM Clip Applier

| STANDARD              |                                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------|
| AVM MICRO CLIP SYSTEM | <div>XS - Design</div> <div>  </div> |
|                       | <div>FE906K</div> <div>Working length / Arbeitslänge: 40 mm, 1½"</div>                                                 |
|                       | <div>FE907K</div> <div>Working length / Arbeitslänge: 70 mm, 2¾"</div>                                                 |
|                       | <div>FE908K</div> <div>Working length / Arbeitslänge: 90 mm, 3½"</div>                                                 |
|                       | <div>FE909K</div> <div>Working length / Arbeitslänge: 110 mm, 4½"</div>                                                |
|                       | <div>  </div>                      |
|                       | <div>FE917K</div> <div>Working length / Arbeitslänge: 70 mm, 2¾"</div>                                                 |
|                       | <div>FE918K</div> <div>Working length / Arbeitslänge: 90 mm, 3½"</div>                                                 |

## STANDARD

80 mm, 3 1/8"

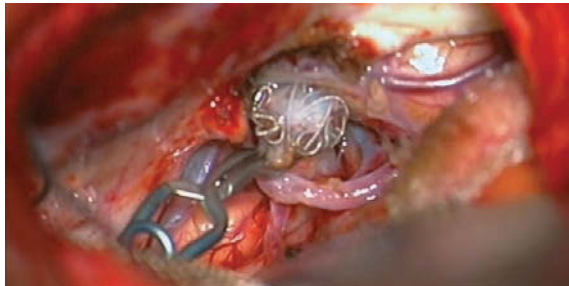


FD062R

110 mm, 4 3/8"



FD063R



In special cases, coil wires have to be cut and removed. For this procedure, special coil scissors are extremely helpful.

Bei speziellen Indikationen müssen Coildrähte wieder entfernt werden. Bei diesen Eingriffen ist die Coil Schere sehr hilfreich und einfach anzuwenden.



„With the new coil scissors it is simple and safe to cut the coils – a very helpful tool when you have to operate on an aneurysm that had been previously treated via an endovascular approach.“

„Die neue Coil Schere schneidet Coils einfach und sicher. Ein sehr nützliches Instrument für Operationen an Aneurysmen, die bereits endovaskular behandelt wurden.“

Developed in co-operation with:  
Entwickelt in Zusammenarbeit mit:

**Dr. Thomas A. Kopitnik, Jr.**  
Central Wyoming Neurosurgery  
Casper, Wyoming, USA

## ■ Bone Flap Fixation Kraniale Knochendeckel- fixierung



... the brochure includes all four product lines of bone flap fixation like CranioFix®2, CranioFix® absorbable, CranioFix® PEEK and CranioPlate.

... der Prospekt beinhaltet alle vier Produktlinien der Knochendeckelfixierung wie CranioFix®2, CranioFix® resorbierbar, CranioFix® PEEK und CranioPlate.



For more information see  
Brochure C90602

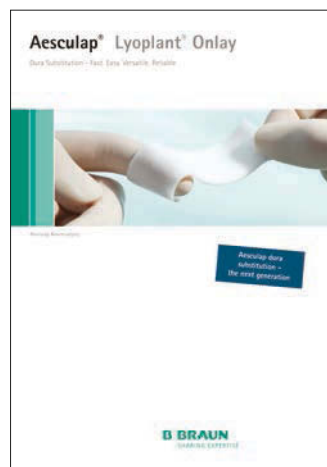
Für mehr Informationen siehe  
Prospekt C90601

## ■ Lyoplast® Onlay Fast. Easy. Versatile. Reliable Schnell. Einfach. Vielseitig. Zuverlässig.



... the new biological, absorbable dura substitution designed to provide high ease of use.

... unser neuer biologischer, resorbierbarer Duraersatz, der entwickelt wurde, um erhöhte Anwenderfreundlichkeit zu bieten.



For more information see  
Brochure C90102

Für mehr Informationen siehe  
Prospekt C90101

## ■ Non-Stick Bipolar



... advanced generator meets advanced instruments.

... High Tech Generator trifft auf moderne Instrumente.



For more information see  
Brochure C61511

Für mehr Informationen siehe  
Prospekt C61511

## ■ Neuroendoscopy Neuroendoskopie



... the brochure includes systems for Intraventricular, Endoscope-Assisted, Transnasal/Transsphenoidal Endoscopy.

... der Prospekt beinhaltet Systeme für die Intraventrikuläre, Endoskop-assistierte, Transnasale/Transsphenoidale Endoskopie.



For more information see  
Brochure C35502

Für mehr Informationen siehe  
Prospekt C35502

## ■ EC/IC Bypass Set



... fine instruments particularly suits for EC/IC procedures.

... feine Instrumente besonders geeignet für EC/IC Eingriffe.



For more information see  
Brochure C63602

Für mehr Informationen siehe  
Prospekt C63601

## ■ ScalpFix®



... for reliable haemostasis; easy handling and fast application are time and cost saving.

... für die zuverlässige Blutstillung; einfache Handhabung und schnelle Applikation sind zeit- und kosten-sparend.



For more information see  
Brochure C79002

Für mehr Informationen siehe  
Prospekt C79001

