

Aesculap Neurosurgery

YASARGIL Aneurysm Clip System

Yasargil aneurizmų klipsai

From experienced hands...



...for experienced hands!



1968

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

1970

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

1983

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

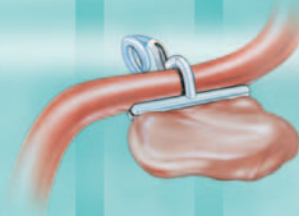
From experienced hands...for experienced hands!

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. Experience that is reflected as much in the YASARGIL Aneurysm Clips themselves as in their accompanying instruments and accessories. It is the guarantee for maximum manufacturing precision, particular care and reliability, with the aim of providing the best possible patient treatment.

YASARGIL Aneurysm Clips are the world's leading clips for the treatment of cerebral aneurysms. Since their introduction, over 1.5 million clips have been implanted by thousands of neurosurgeons in more than 80 countries. A milestone in the history of neurosurgery.



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



2004

- The XS Clip Applier meets the demands of keyhole surgery



2006

- YASARGIL Aneurysm T-Bar Clip acc. to KOPITNIK made from titanium and Phynox aids and expands treatment possibilities



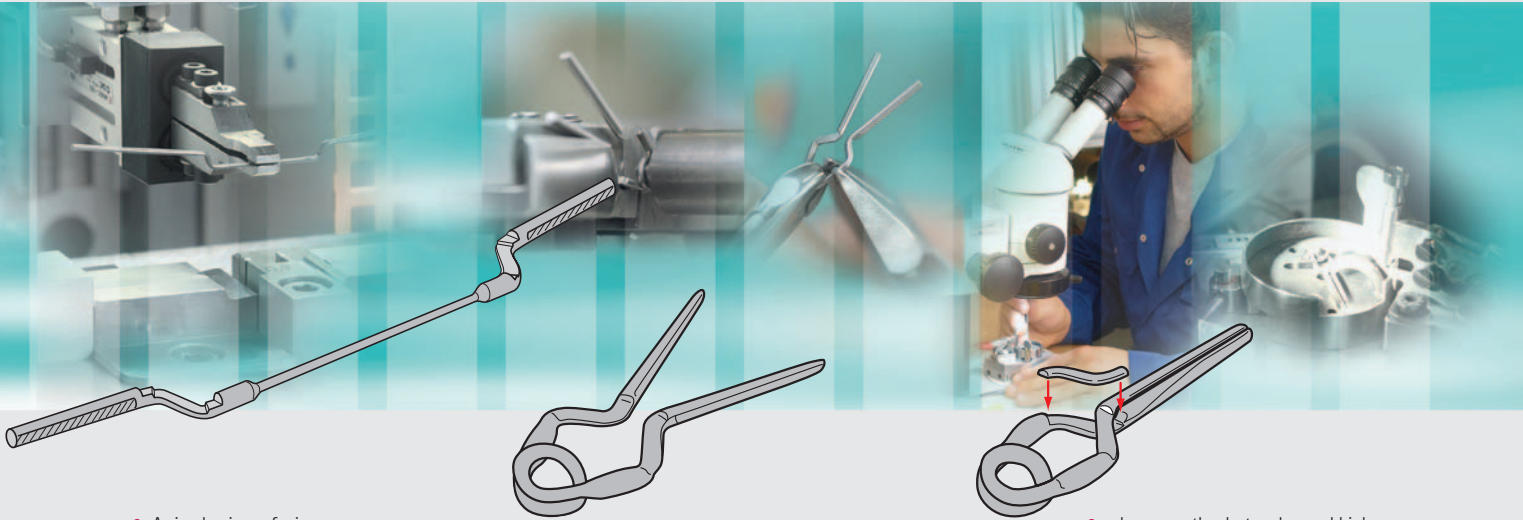
2008

- New Double Bayonet Clip Applier combines top priorities regarding the design of a clip applier.

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

The product range of Aesculap is the widest one, including more than 340 different clip designs and 38 appliers. Through continuous further development of the YASARGIL Aneurysm Clip system, Aesculap is committed to ensuring that the best implants and instruments are always available for this treatment.





● A simple piece of wire...

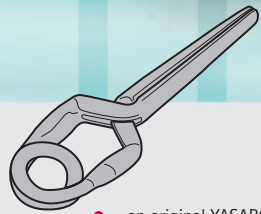
● ... becomes, thanks to advanced high technology and qualified manual work,...

Our striving for perfection is your safeguard

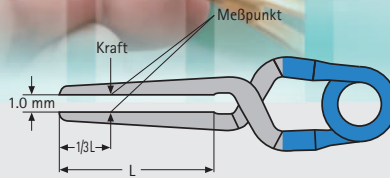
YASARGIL Aneurysm Clips are the most sensitive implants in the Aesculap product spectrum. The tiniest quality deviation or failure can have fatal consequences. For this reason, all the production processes for the YASARGIL Aneurysm Clips take place exclusively within Aesculap in Tuttlingen, Germany, under our own control.

Precision manual work and the most advanced high technology are intricately and accurately combined in the manufacture of YASARGIL Aneurysm Clips. A total of approximately 30 different operations is required to produce one clip, and 70% of these are manual. A quality check is performed after each operation.

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. Decades of experience flow into the continuous improvement of every single manufacturing operation. The goal is to achieve the greatest possible degree of perfection. Our internal quality standards set tolerances that are in some cases as low as hundredths of a millimeter. This is the only way we can approach our goal of the perfect aneurysm clip, with an absolutely smooth, burr-free and therefore atraumatic surface, exact dimensions and a reproducible closing action – a clip you can rely on.



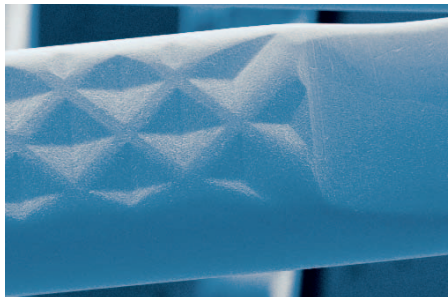
... an original YASARGIL Aneurysm Clip!



Made in Germany
Made by Aesculap



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



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 image
patented box lock of a YASARGIL Clip from Aesculap; the flat design with a broad contact surface ensures smooth opening and closing, stability and safety.

High performance in production

Did you know that....

... 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 clip material for the box lock is 0.3 mm thick?

... the welding seam of the metal plate for the box lock is only 1.3 mm long?

... the welding temperature for the metal plate reaches 4532 °F (2500 °C)?

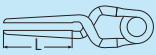













Titanium Standard Clips



- MRI safety, non-ferromagnetic, tested up to 3 Tesla
- 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

TEMPORARY

PERMANENT

TITANIUM STANDARD

Cat. No.		Blade length mm	Maximal opening mm	Closing force N	Closing force g
FT240T		7.0	6.2	1.08	110
FT250T		9.0	7.0	0.88	90
FT260T		11.0	7.8	0.88	90
FT280T		15.0	9.2	0.88	90
FT292T		17.5	10.6	0.88	90
FT290T		20.0	11.4	1.08	110
FT242T		6.5	6.0	1.08	110
FT252T		8.3	6.8	0.88	90
FT262T		10.2	7.5	0.88	90
FT282T		13.7	8.7	1.08	110
FT286T		15.3	9.8	1.08	110
FT244T		5.4	5.5	1.08	110
FT254T		6.4	6.1	1.08	110

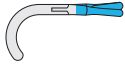
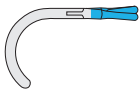


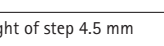



Cat. No.		Blade length mm	Maximal opening mm	Closing force N	Closing force g
P.d.2.1.1 FT740T		7.0	6.2	1.47	150
FT750T		9.0	7.0	1.77	180
P.d.2.1.2 FT760T		11.0	7.8	1.77	180
FT780D		15.0	9.2	1.96	200
FT792D		17.5	10.6	1.96	200
FT790D		20.0	11.4	1.96	200
P.d.2.1.3 FT742T		6.5	6.0	1.47	150
FT752T		8.3	6.8	1.77	180
FT762T		10.2	7.5	1.77	180
P.d. 2.1.4 FT782T		13.7	8.7	1.96	200
FT786T		15.3	9.8	1.77	180
FT744T		5.4	5.5	1.47	150
FT754T		6.4	6.1	1.77	180



for identification all clips are marked with serial number and article number

TEMPORARY

PERMANENT


Cat. No.		Blade length mm	Maximal opening mm	Closing force N	g	Cat. No.		Blade length mm	Maximal opening mm	Closing force N	g
FT264T		8.0	6.5	1.08	110	FT764T		8.0	6.5	1.77	180
FT284T		10.3	7.4	1.08	110	FT784T		10.3	7.4	1.96	200
FT323T		7.4	5.4	1.08	110	FT823T		7.4	5.4	1.77	180
FT324T		8.4	5.8	1.08	110	FT824T		8.4	5.8	1.77	180
FT325T		10.5	6.2	1.08	110	FT825T		10.5	6.2	1.77	180
FT270T	 Height of step 2.5 mm	5.0	8.0	1.08	110	FT770T	 Height of step 2.5 mm	5.0	8.0	1.96	200
FT271T	 Height of step 3.5 mm	5.0	8.0	1.08	110	FT771T	 Height of step 3.5 mm	5.0	8.0	1.96	200
FT272T	 Height of step 4.5 mm	5.0	8.0	1.08	110	FT772T	 Height of step 4.5 mm	5.0	8.0	1.96	200
FT248T		7.0	7.9	0.88	90	FT748T		7.0	7.9	1.96	200
FT258T		9.0	8.7	0.88	90	FT758T		9.0	8.7	1.96	200
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

P.d.2.1.5

Titanium Standard Clips

TEMPORARY

PERMANENT

Cat. No.  Blade length mm Maximal opening mm Closing force N g


FT310T  9.0 6.5 1.08 110

FT123T  10.6 7.8 1.08 110

FT263T  11.8 8.4 1.08 110

FT319T  5.0 5.6 1.28 130


FT320T  7.0 4.5 1.28 130

FT322T  10.0 5.6 1.28 130


FT350T  6.7 5.4 1.28 130

FT351T  9.0 5.6 1.28 130


FT330T  7.0 7.2 0.88 90


FT332T  9.3 7.2 0.88 90

FT333T  11.3 8.2 0.88 90

Cat. No.  Blade length mm Maximal opening mm Closing force N g

FT810T  9.0 6.5 1.96 200


FT623T  10.6 7.8 1.96 200

FT763T  11.8 8.4 1.67 170

P.d.2.1.6

FT819T  5.0 5.6 1.96 200


FT820T  7.0 4.5 1.96 200

FT822T  10.0 5.6 1.96 200

FT850T  6.7 5.4 1.96 200

FT851T  9.0 5.6 1.96 200

FT830T  7.0 7.2 1.96 200


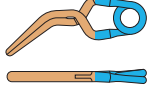
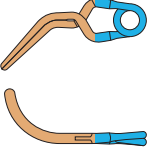
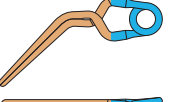
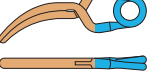
FT832T  9.3 7.2 1.96 200

FT833T  11.3 8.2 1.96 200


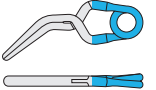

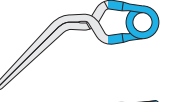
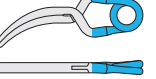


TEMPORARY

PERMANENT

Cat. No.		Blade length mm	Maximal opening mm	Closing force N g
FT246T		7.0	5.7	0.88 90
FT273T		7.8	5.3	0.88 90
FT261T		11.4	8.0	0.88 90
FT247T		8.6	7.0	0.88 90

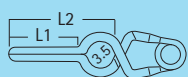
P.d. 2.1.7

Cat. No.		Blade length mm	Maximal opening mm	Closing force N g
FT746T		7.0	5.7	1.96 200
FT773T		7.8	5.5	1.77 180
FT761T		11.4	8.0	1.96 200
FT747T		8.6	7.0	1.77 180

Titanium Fenestrated Clips

TEMPORARY

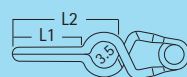
PERMANENT



Diameter of
fenestration 3.5 mm

Cat. No.

Blade length
mm L1/L2 Maximal
opening mm Closing force
N g



Diameter of
fenestration 3.5 mm

Cat. No.

Blade length
mm L1/L2 Maximal
opening mm Closing force
N g

FT097T



3/8.1 7.5 1.08 110

FT098T



4/9.1 7.4 1.08 110

FT099T



5/10.1 7.4 1.08 110

FT100T



6/11.1 7.4 1.08 110

FT110T



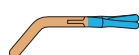
9/14.1 8.4 1.08 110

FT120T



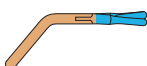
12/17 9.6 1.08 110

FT102T



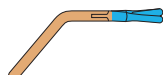
5/7.8 5.8 1.08 110

FT112T



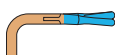
7.5/9.4 6.5 1.08 110

FT122T



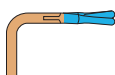
10/11 7.2 1.08 110

FT104T



5/5.1 4.9 1.08 110

FT114T



7.5/5.1 4.9 1.08 110

P.d.2.2.1

FT597T



3/8.1 7.5 1.47 150

FT598T



4/9.1 7.4 1.47 150

P.d.2.2.2

FT599T



5/10.1 7.4 1.47 150

FT600T



6/11.1 7.4 1.47 150

FT610T



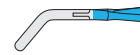
9/14.1 8.4 1.47 150

FT620T



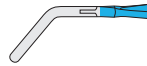
12/17 9.6 1.77 180

FT602T



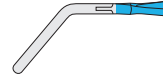
5/7.8 5.8 1.47 150

FT612T



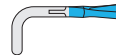
7.5/9.4 6.5 1.47 150

FT622T



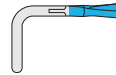
10/11 7.2 1.77 180

FT604T



5/5.1 4.9 1.47 150

FT614T

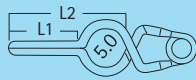


7.5/5.1 4.9 1.47 150



TEMPORARY

PERMANENT

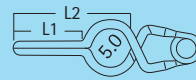


Diameter of
fenestration 5 mm

Cat. No.

Blade length
mm Maximal
opening mm Closing force
N g

FT137T		3/9.8	7.4	1.08	110
FT138T		4/10.8	7.4	1.08	110
FT139T		5/11.8	7.4	1.08	110
FT140T		6/12.7	7.9	1.08	110
FT150T		9/15.7	9.1	1.08	110
FT142T		5/9	6.5	1.08	110
FT152T		7.5/10.6	7.2	1.08	110
FT162T		10/12.2	7.8	1.08	110
FT144T		5/6.7	5.5	1.08	110
FT154T		7.5/6.7	5.5	1.08	110



Diameter of
fenestration 5 mm

Cat. No.

Blade length
mm Maximal
opening mm Closing force
N g

FT637T		3/9.8	7.4	1.47	150
FT638T		4/10.8	7.4	1.47	150
FT639T		5/11.8	7.4	1.47	150
FT640T		6/12.7	7.9	1.47	150
FT650T		9/15.7	9.1	1.47	150
FT642T		5/9.4	6.5	1.47	150
FT652T		7.5/10.6	7.2	1.47	150
FT662T		10/12.2	7.8	1.77	180
FT644T		5/6.7	5.5	1.47	150
FT654T		7.5/6.7	5.5	1.47	150

TITANIUM STANDARD

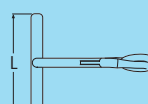
Titanium T-Bar Clips acc. to KOPITNIK

PERMANENT



Diameter of fenestration 5 mm

Cat. No.



Blade length
mm

Angle

Maximal
opening mm

Closing force
N g

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.

FT852T



5.0

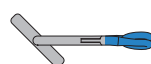
45°

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

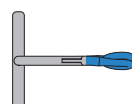
90°

5.5

1.47

150

FT856T



13.0

90°

5.5

1.77

180



ULTRA SHORT FENESTRATED Aneurysm Clip

PERMANENT

Cat. No.



Blade length
mm L1/L2

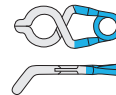
Maximal
opening mm

Closing force
N

Diam. of fen-
estration mm

TITANIUM STANDARD

FT902T



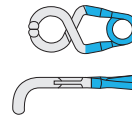
3.0/6.3

5.8

1.47

3.5

FT904T



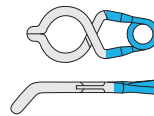
3.0/5.1

4.9

1.47

3.5

FT942T



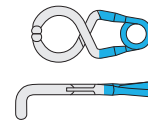
3.0/8.1

6.0

1.47

5.0

FT944T



3.0/6.7

5.5

1.47

5.0

Titanium Reinforcing Clip

PERMANENT

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



Cat. No.

FT900T



Titanium Mini Clips

- MRI safety, non-ferromagnetic, tested up to 3 Tesla
- minor artifacts in CT and MRI
- color coding with violet spring (mini clip) and golden or silver blades (temporary or permanent clip respectively)
- sterile packaging

TEMPORARY

PERMANENT

Cat. No.  Blade length mm Maximal opening mm Closing force N g

Cat. No.  Blade length mm Maximal opening mm Closing force N g

TITANIUM MINI

FT180T  3.0 3.3 0.88 90

P.d. 2.4.1

FT190T  5.0 4.0 0.69 70

FT200T  3.0 3.3 0.88 90

FT210T  5.0 4.0 0.69 70

FT220T  7.0 4.6 0.69 70

FT182T  2.8 3.2 0.88 90

FT194T  4.0 3.6 0.78 80

FT192T  4.7 3.8 0.69 70

FT211T  4.0 3.6 0.78 80

P.d. 2.4.3

FT212T  4.7 3.8 0.69 70

FT213T  4.0 3.6 0.78 80

FT226T  5.2 4.0 0.69 70

FT222T  6.6 4.4 0.69 70

FT680T  3.0 3.3 1.08 110

P.d. 2.3.1

FT690T  5.0 4.0 1.08 110

FT700T  3.0 3.3 1.08 110

FT710T  5.0 4.0 1.08 110

FT720T  7.0 4.6 1.08 110

FT682T  2.8 3.2 1.08 110

FT694T  4.0 3.6 1.08 110

FT692T  4.7 3.8 1.08 110

FT711T  4.0 3.6 1.08 110

FT712T  4.7 3.8 1.08 110

FT713T  4.0 3.6 1.08 110

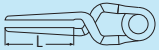


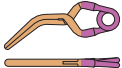
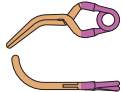
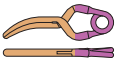


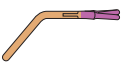
FT726T  5.2 4.0 1.08 110

FT722T  6.6 4.4 1.08 110




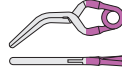

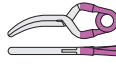


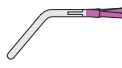


- for distinction the temporary clips are marked with 3 transverse lines on the proximal spring
- for identification all clips are marked with serial number and article number

TEMPORARY

Cat. No.		Blade length mm	Maximal opening mm	Closing force N	g
FT214T		3.9	3.5	0.78	80
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
P.d. 2.4.2					
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

Cat. No.		Blade length mm	Maximal opening mm	Closing force N	g
FT714T		3.9	3.5	1.08	110
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

Titanium Clip Applier

Standard

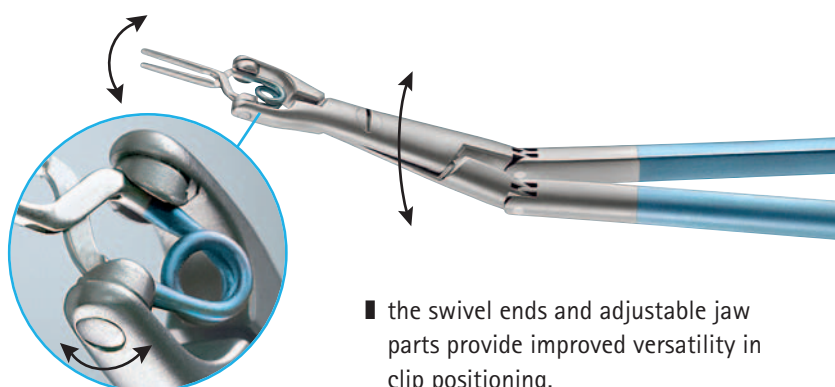
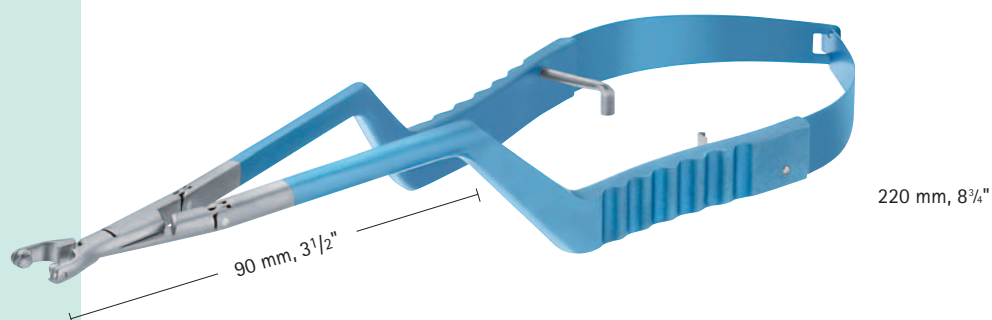
Mini

Vario Clip Applier

TITANIUM APPLYING FORCEPS

FT412T

FT402T



FT402/800

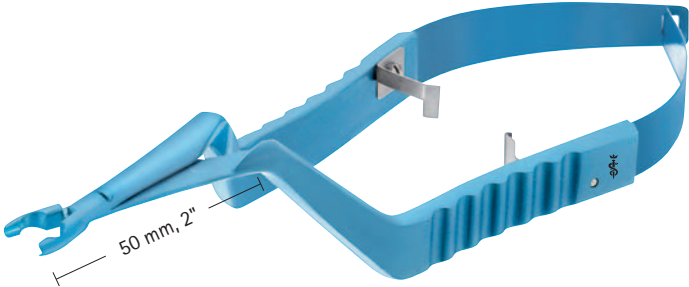
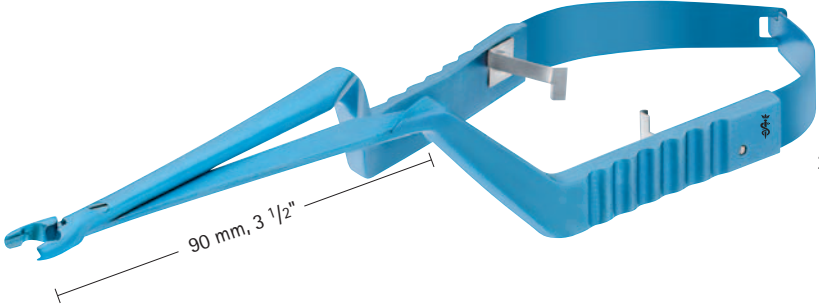
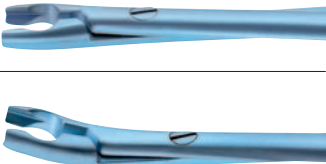
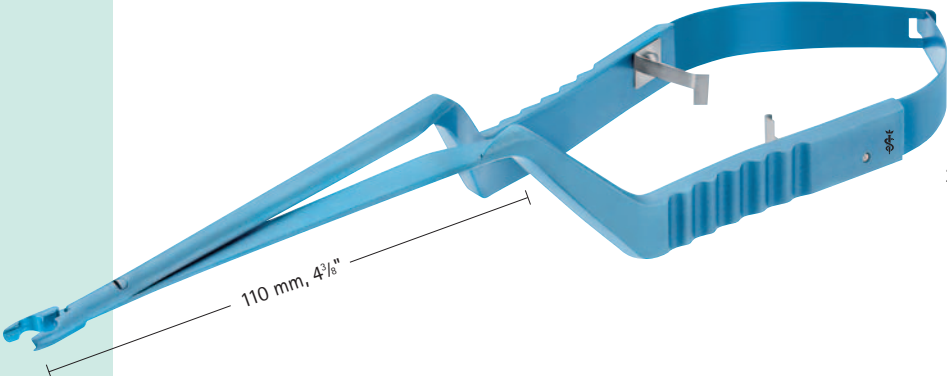
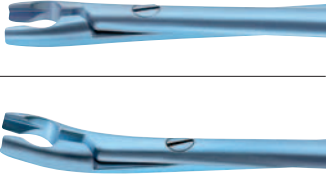
Adjusting Key



adjusting Key for Vario Clip Applier for setting the swivel at an angle



■ color coding blue for standard and
violet for mini clips

Standard		Mini	YASARGIL Clip Applier	
FT480T		FT470T		180 mm, 7"
FT482T		FT472T		220 mm, 8 ³ / ₄ "
FT485T		FT475T		15° angled
FT484T		FT474T		250 mm, 10"
FT487T		FT477T		15° angled

Titanium Clip Applier

TITANIUM APPLYING FORCEPS

Standard

Mini

XS Clip Applier

- 360° rotation
- suitable for narrow approach

FT495T

FT490T



FT496T

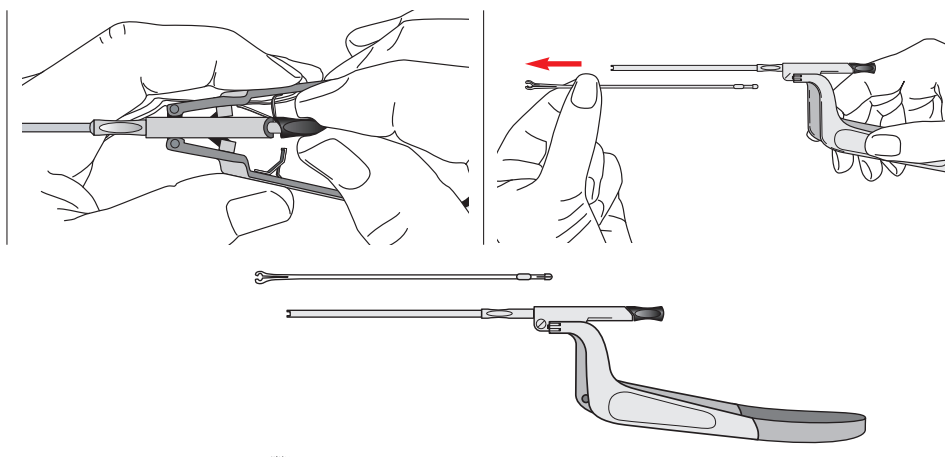
FT491T



Disassembly

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

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





Double Bayonet Clip Applier

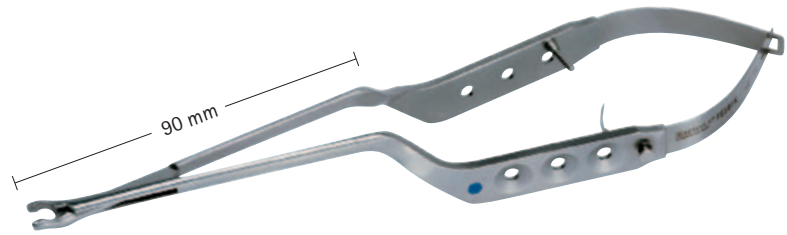
■ color coding is realized as a colored button in the handle area

Standard Mini Double Bayonet Clip Applier

■ Total length 225 mm	
●	FT501T
	FT505T
●	FT511T
	FT515T

with latch

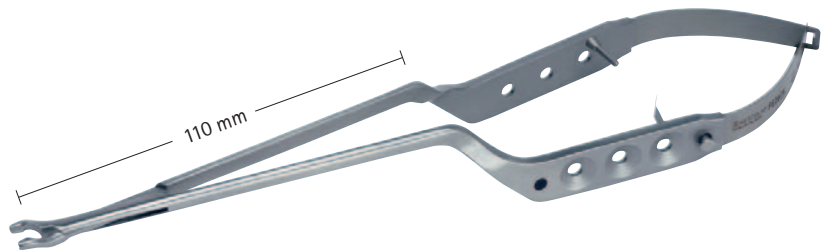
without latch



■ Total length 245 mm	
●	FT502T
	FT506T
●	FT512T
	FT516T

with latch

without latch



- color coding blue for standard and violet for mini clips

- color coding blue for standard and violet for mini clips

Mini

- with special jaws for safe removal of an applied clip

- with special jaws for safe removal of an applied clip



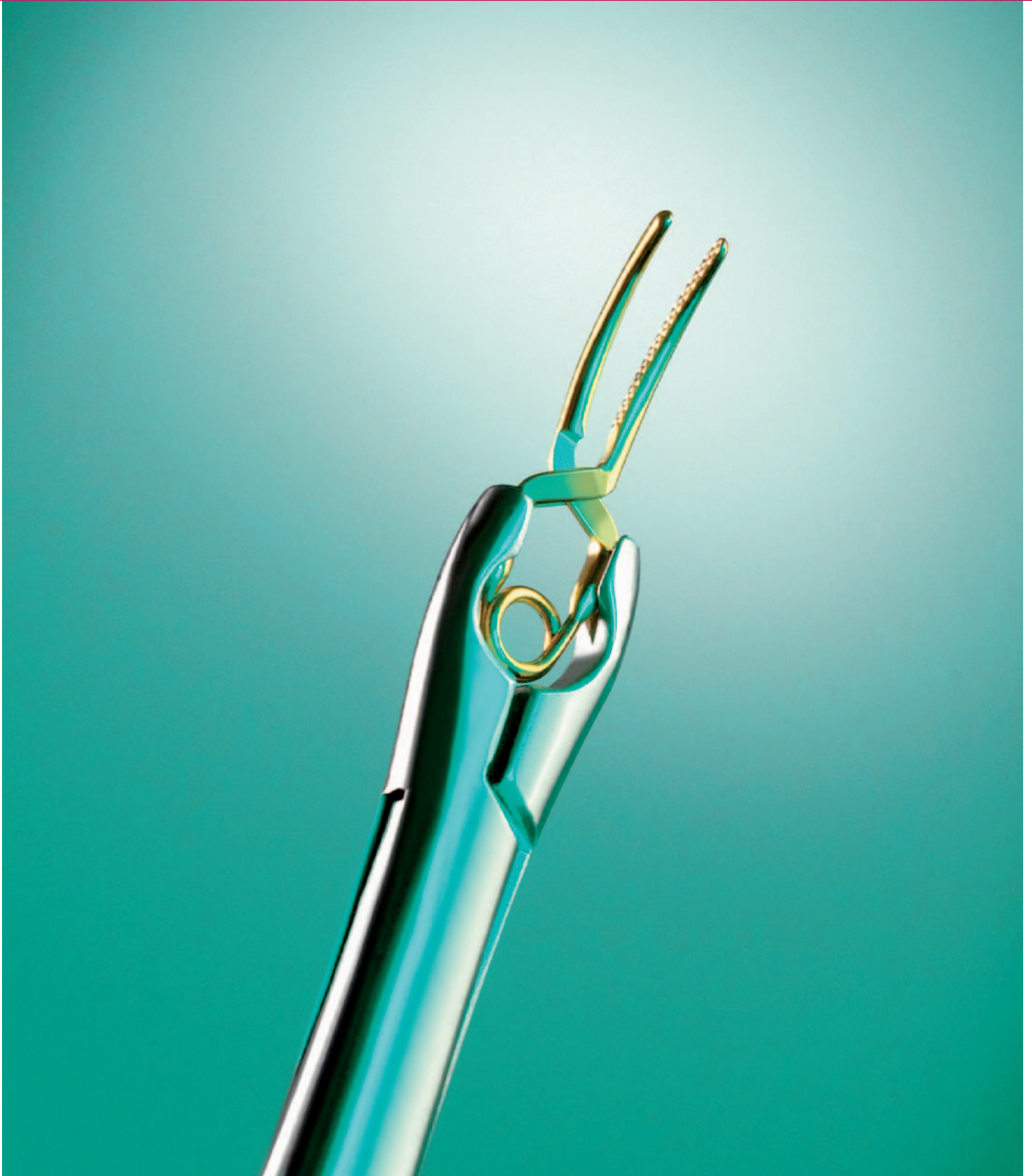
FT072T



FT073T



YASARGIL Phynox Clips and Appliers



PHYNOX CLIPS

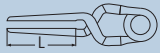










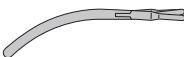
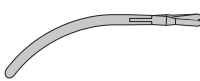

Phynox Standard Clips

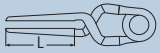

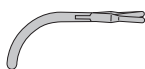

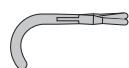
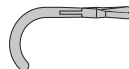
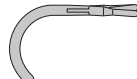







- MRI safety, non-ferromagnetic, tested up to 3 Tesla
- color coding with silver spring and blades (permanent clip)
- sterile packaging
- for identification all clips are marked with serial number and article number

PERMANENT

PERMANENT



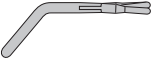

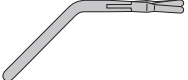





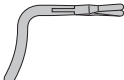
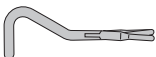


PHYNOX STANDARD

Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FE740K		7.0	6.2	1.47	150
FE750K		9.0	7.0	1.77	180
FE760K		11.0	7.8	1.77	180
FE780K		15.0	9.2	1.96	200
FE792K		17.5	10.6	1.96	200
FE790K		20.0	11.4	1.96	200
FE840K		25.0	13.3	1.77	180
FE742K		6.5	6.0	1.47	150
FE752K		8.3	6.8	1.77	180
FE762K		10.2	7.5	1.77	180
FE782K		13.7	8.7	1.96	200
FE786K		15.3	9.8	1.96	200
FE744K		5.4	5.5	1.47	150



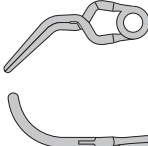

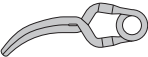
Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FE754K		6.4	6.1	1.77	180
FE764K		8.0	6.5	1.77	180
FE784K		10.3	7.4	1.96	200
FE823K		7.4	5.4	1.77	180
FE824K		8.4	5.8	1.77	180
FE825K		10.5	6.2	1.77	180
FE748K		7.0	7.9	1.96	200
FE758K		9.0	8.7	1.96	200
FE759K		12.0	10.2	1.96	200
FE798K		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



PERMANENT

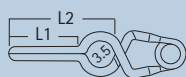
Cat. No.		Blade length mm	Maximal opening mm	Closing force N	g
FE603K		6.1	6.5	1.96	200
FE613K		8.0	6.2	1.96	200
FE623K		10.6	7.8	1.96	200
FE763K		11.8	8.4	1.96	200
FE810K		9.0	6.5	1.96	200
FE819K		5.0	5.6	1.96	200
FE820K		7.0	4.5	1.96	200
FE822K		10.0	5.6	1.96	200
FE850K		6.7	5.4	1.96	200
FE851K		9.0	5.6	1.96	200
FE830K		7.0	7.2	1.96	200
FE832K		9.3	7.2	1.96	200
FE833K		11.3	8.2	1.96	200

PERMANENT

Cat. No.		Blade length mm	Maximal opening mm	Closing Force N	g
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

Phynox Fenestrated Clips

PERMANENT



Diameter of
fenestration 3.5 mm

Cat. No.

Blade length
mm L1/L2 Maximal
opening mm Closing force
N g

FE597K  3/8.1 6.5 1.47 150

FE598K  4/9.1 6.6 1.47 150

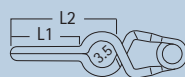
FE599K  5/10.1 7.0 1.47 150

FE600K  6/11 7.4 1.47 150

FE610K  9/14 8.4 1.47 150

FE620K  12/17 9.6 1.77 180

PERMANENT



Diameter of
fenestration 3.5 mm

Cat. No.

Blade length
mm L1/L2 Maximal
opening mm Closing force
N g

FE602K  5/7.3 5.8 1.47 150

FE612K  7.5/8.9 6.5 1.47 150

FE622K  10/10.5 7.2 1.77 180

FE604K  5/4.9 4.9 1.47 150


FE614K  7.5/4.9 4.9 1.47 150

FE624K  10/4.9 4.9 1.77 180



PERMANENT

PERMANENT

Cat. No.		Diameter of fenestration 5 mm			
		Blade length mm L1/L2	Maximal opening mm	Closing force N	g

FE637K		3/9.8	6.7	1.47	150
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FE638K		4/10.8	7.1	1.47	150
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FE639K		5/11.8	7.5	1.47	150
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FE640K		6/12.7	7.9	1.47	150
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FE650K		9/15.7	9.1	1.47	150
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FE660K		12/18.7	10.3	1.77	180
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FE642K		5/9	6.5	1.47	150
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FE652K		7.5/10.6	7.2	1.47	150
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FE662K		10/12.2	7.8	1.77	180
--------	---	---------	-----	------	-----

Cat. No.		Diameter of fenestration 5 mm			
		Blade length mm L1/L2	Maximal opening mm	Closing force N	g

FE644K		5/6.4	5.5	1.47	150
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FE654K		7.5/6.4	5.5	1.47	150
--------	---	---------	-----	------	-----

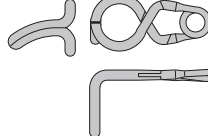
FE664K		10/6.4	5.5	1.77	180
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FE648K		5/15.2	7.9	1.47	150
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FE658K		7.5/17.7	8.8	1.47	150
--------	--	----------	-----	------	-----

FE668K		10/20.2	10.0	1.77	180
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FE774K		5/6.7	5.0	1.47	150
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FE775K		7.5/6.7	5.0	1.47	150
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FE776K		10/6.7	5.0	1.47	150
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Phynox Fenestrated Clips

PERMANENT

PERMANENT

PHYNOX STANDARD

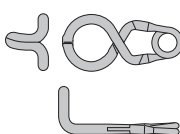


Diameter of
fenestration 5 mm

Cat. No.

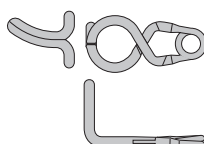
Blade length
mm L1/L2 Maximal
opening mm Closing force
N g

FE777K



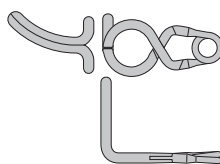
5/6.7 5.0 1.47 150

FE778K



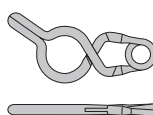
7.5/6.7 5.0 1.47 150

FE779K



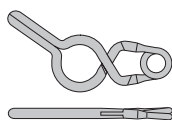
10/6.7 5.0 1.47 150

FE881K



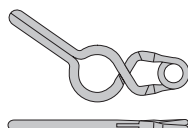
5/10.4 7.0 1.47 150

FE882K



7.5/12.4 7.8 1.47 150

FE883K



10/14.5 8.8 1.47 150

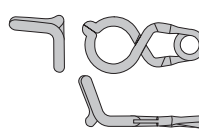


Diameter of
fenestration 5 mm

Cat. No.

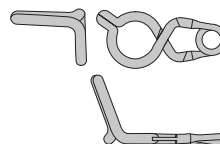
Blade length
mm L1/L2 Maximal
opening mm Closing force
N g

FE886K



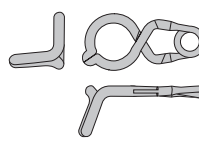
5/7.4 5.0 1.47 150

FE887K



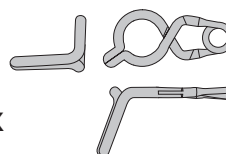
7.5/8.1 5.0 1.47 150

FE888K



5/7.4 5.0 1.47 150

FE889K



7.5/8.1 5.0 1.47 150

FE891K



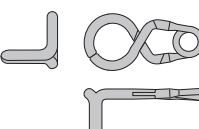
5/6.6 5.0 1.47 150

FE892K



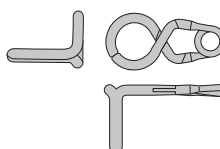
7.5/6.6 5.0 1.47 150

FE893K



5/6.6 5.0 1.47 150

FE894K



7.5/6.6 5.0 1.47 150



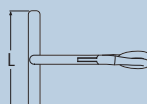
Phynox T-Bar Clips acc. KOPITNIK

PERMANENT



Diameter of fenestration 5 mm

Cat. No.



Blade length
mm

Angle

Maximal
opening mm

Closing force
N g

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.

FE852K



5.0

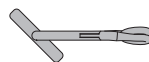
45°

5.5

1.47

150

FE853K



9.0

45°

5.5

1.47

150

FE854K



5.0

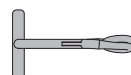
90°

5.5

1.47

150

FE855K



9.0

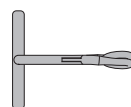
90°

5.5

1.47

150

FE856K



13.0

90°

5.5

1.77


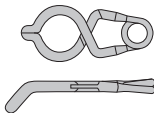
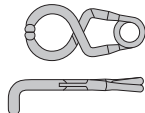
180

PHYNOX T-BAR CLIP

Ultra Short Fenestrated Aneurysm Clip

PERMANENT

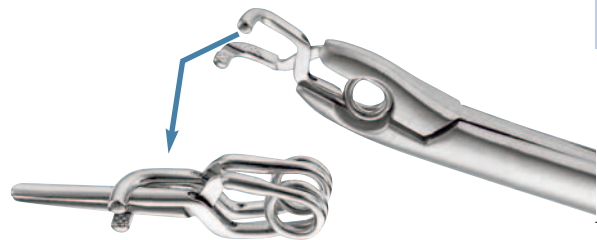
PHYNOX STANDARD

Cat. No.		Blade length mm L1/L2	Maximal opening mm	Closing force N	Diam. of fene- stration mm
FE942K		3.0/8.1	6.0	1.47	5.0
FE944K		3.0/6.4	5.5	1.47	5.0

Phynox Reinforcing Clip

PERMANENT

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



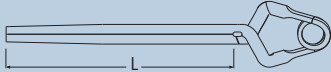
Cat. No.	
FE900K	



Phynox Long Clips and Applier

PERMANENT

Cat. No.



Blade length
mm

Maximal
opening mm

Closing force
N g

■ clip with extra long blades for the treatment of giant aneurysms.

FE861K



30

19

1.86

190

FE862K



35

21

1.96

200

FE863K



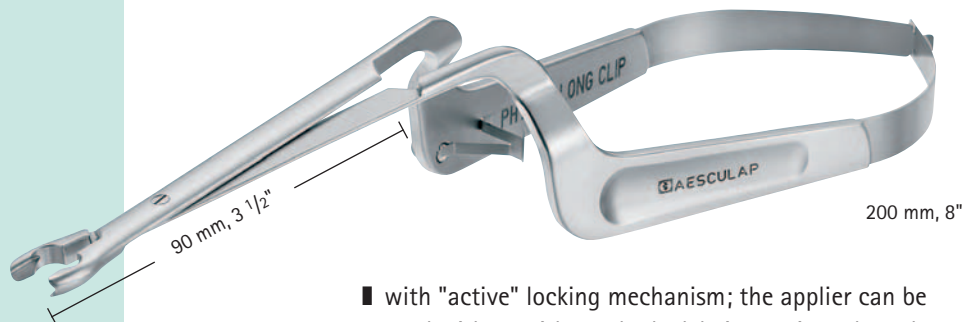
40

23

1.96

200

Long Clip Applier










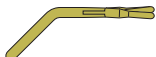



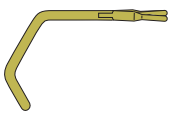
■ with "active" locking mechanism; the applier can be used with or without the lock being activated, as the surgeon desires.

FE560K







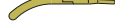
Phynox Standard and Mini Clips

- MRI safety, non-ferromagnetic, tested up to 3 Tesla
- color coding with gold spring and blades
- for identification all clips are marked with serial number and article number

TEMPORARY (STANDARD)

Cat. No.		Blade length mm	Maximal opening mm	Closing force N g
FE751K		9.0	7.0	0.69 70
FE753K		8.4	6.8	0.69 70
FE755K		6.7	6.1	0.69 70
FE781K		15.0	9.2	0.69 70
FE783K		13.8	8.7	0.69 70
FE785K		10.4	7.4	0.69 70
FE756K		9.1	6.2	0.69 70
FE791K		20.0	11.4	0.88 90
FE793K		18.7	11.0	0.88 90
FE795K		16.8	9.9	0.88 90
FE801K		13.0	7.5	0.88 90

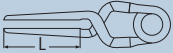















TEMPORARY (MINI)

Cat. No.		Blade length mm	Maximal opening mm	Closing force N g
FE681K		3.0	3.3	0.49 50
FE691K		5.0	4.0	0.49 50
FE683K		2.8	3.2	0.49 50
FE693K		4.7	3.8	0.49 50
FE721K		7.0	4.6	0.69 70
FE723K		6.6	4.4	0.69 70
FE725K		5.0	4.0	0.69 70

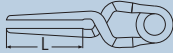








- MRI safety, non-ferromagnetic, tested up to 3 Tesla
- color coding with silver spring and blades (permanent clip)
- for identification all clips are marked with serial number and article number

PERMANENT (MINI)

Cat. No.		Blade length mm	Maximal opening mm	Closing force 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
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

PERMANENT (MINI)

Cat. No.		Blade length mm	Maximal opening mm	Closing force N	g
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

Phynox Applier

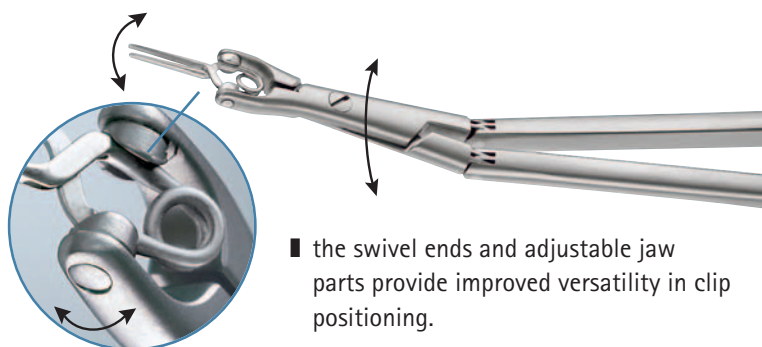
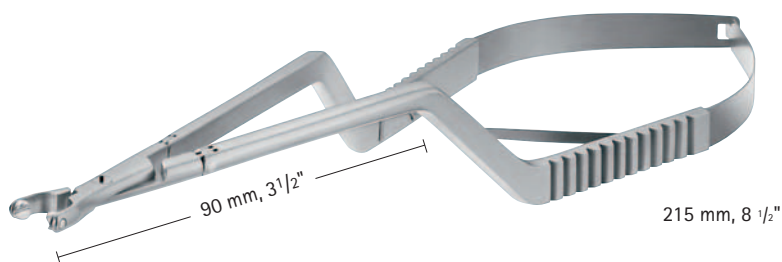
STANDARD

MINI

Vario Clip Applier

FE512T

FE502T



FT402/800

Adjusting Key



adjusting Key for Vario Clip Applier for setting the swivel at an angle

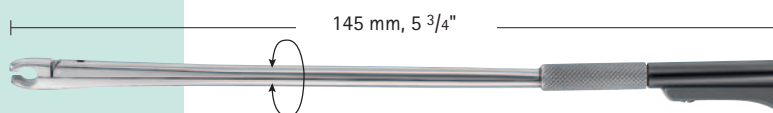
Clip Applier acc. to CASPAR

FE530K

FE520K

FE532K

FE522K



- 360° rotation
- suitable for narrow approach

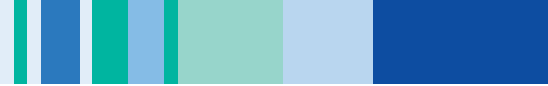


straight



15° angled





STANDARD

MINI

YASARGIL Clip Applier

FE558K

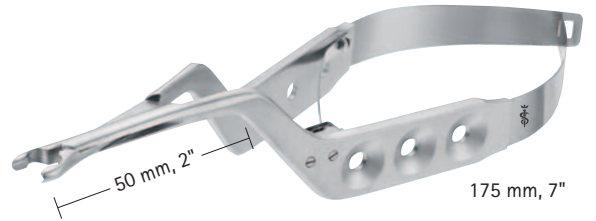
FE548K



175 mm, 7"

FE580K

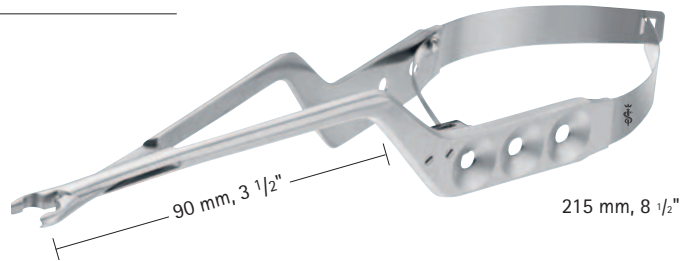
FE570K



175 mm, 7"

FE582K

FE572K



215 mm, 8 1/2"



straight

FE585K

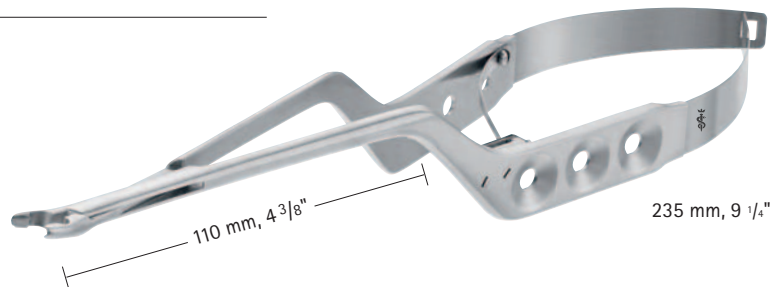
FE575K



15° angled

FE584K

FE574K



235 mm, 9 1/4"



straight

FE587K

FE577K



15° angled

PHYNEX APPLYING FORCEPS

Phynox Applier

STANDARD

MINI

XS Clip Applier

PHYNOX APPLYING FORCEPS

- 360° rotation
- suitable for narrow approach



FE495K

FE490K

220 mm, 8 3/4"



FE496K

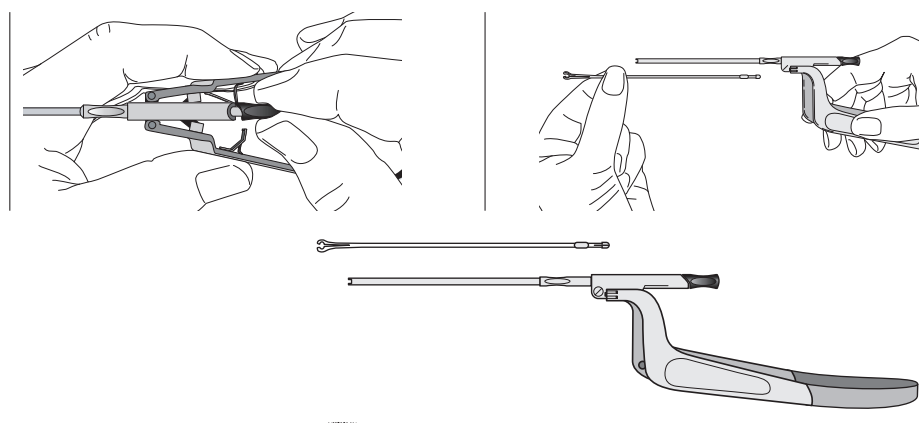
FE491K

240 mm, 9 1/2"

Disassembly

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

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



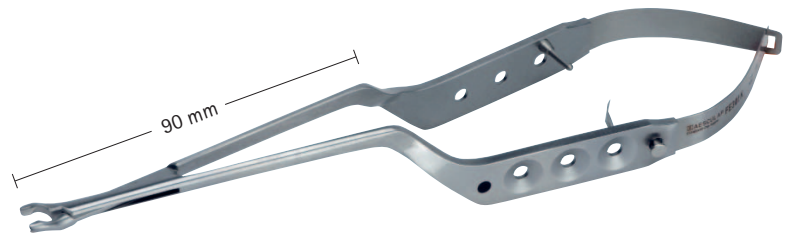


Double Bayonet Clip Applier

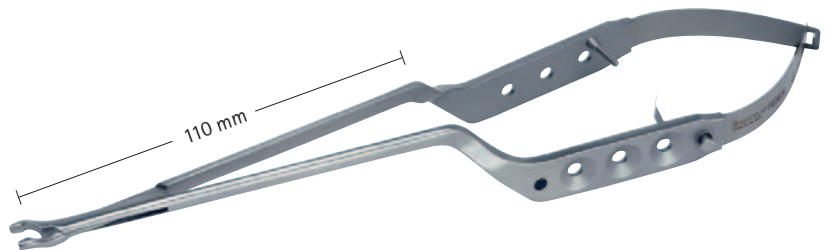
■ color coding is realized as a colored button in the handle area

STANDARD MINI Double Bayonet Clip Applier

■ Total length 225 mm	
●	FE301K
	FE305K
●	FE311K
	F315K
without latch	
with latch	



■ Total length 245 mm	
●	FE302K
	FE306K
●	FE312K
	FE316K
without latch	
with latch	



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

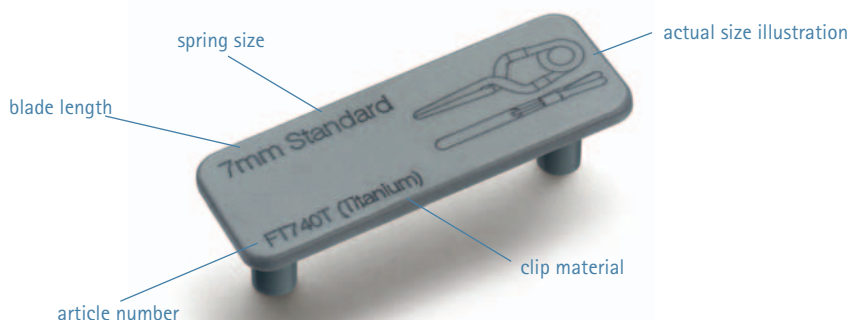
for storage, transport and sterilization of Aesculap YASARGIL Aneurysm Clips.

- autoclavable plastic
- fits 1/2 standard container
- 18 storage compartments for Standard and Mini Clips
- 3 storage compartments for Long Clips
- with special identification tags for individual tray configuration



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.



-----TAG

For each clip variant there is a matching identification tag.
The catalog numbers of the tags are as follows:
Cat. No. of clip + "-TAG"

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

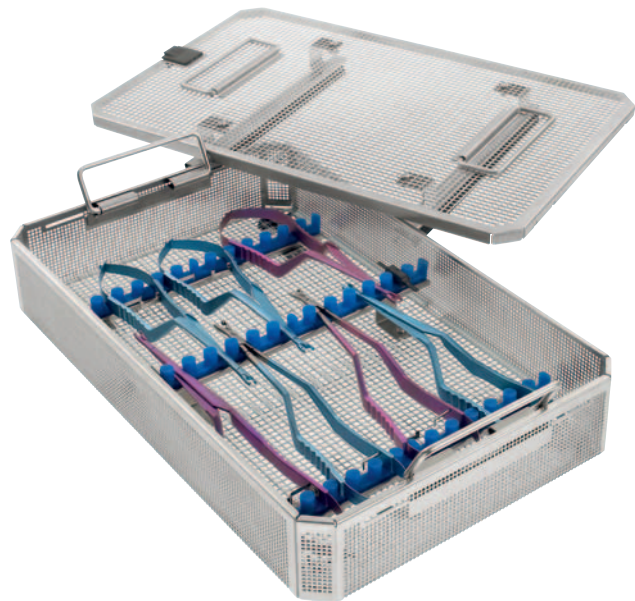
The identification tags for temporary clips are **yellow** and for permanent clips **grey** in line with the color coding of the YASARGIL Aneurysm Clips.



FM665R

Storage of applying forceps

perforated basket with lid, for storage of clip applying forceps



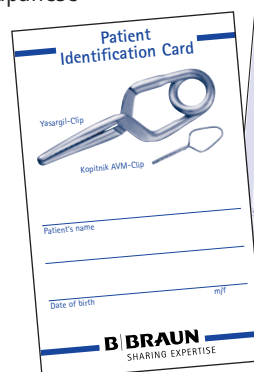
STORAGE + ACCESSORIES

Address: www.aesculap-extra.net

Patient identification card for YASARGIL Clip implants

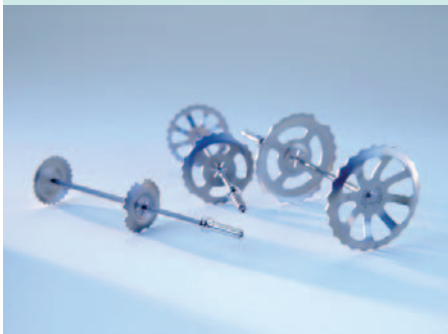
- provides safety for physician and patient safety for follow-ups
- information about 3 Tesla safety of Aesculap YASARGIL Aneurysm Clips
- printed version available in German and English
- download from the Extranet possible:

- C07801 ID in German
- C07802 ID in English
- C07803 ID in French
- C07804 ID in Italian
- C07805 ID in Spanish
- C07892 ID in Japanese



Aesculap Neurosurgery

■ CranioFix®2



... for fast, easy and stable bone flap fixation and skull fracture repair.
Fast, easy and very stable.

■ CranioFix® absorbable



... for fixation of bone flaps – usable without instruments and especially for children and recurring tumor patients.

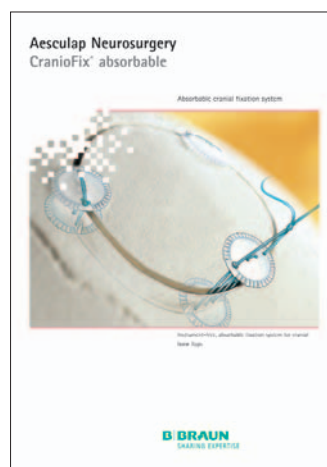
■ Cranio Plate



... blade and screw system for fixation of bone flaps with modular storage concept



For more information see
Brochure C08802



For more information see
Brochure C09802



For more information see
Brochure C83402

■ ScalpFix Scalp clip system



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

■ KOPITNIK AVM Microclip System



... for the temporary or permanent occlusion of arteriovenous malformations (AVM's).

■ Fukushima suction cannulas



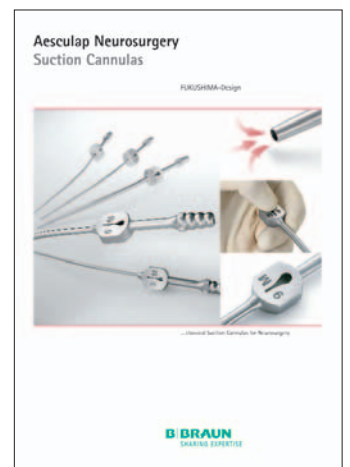
... the classic suction cannulas for neurosurgery procedures!



For more information see
Brochure C79002



For more information see
Brochure C07702



For more information see
Brochure C81202



AESCULAP®

B | BRAUN
SHARING EXPERTISE

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