

Aesculap® YASARGIL Aneurysm Clip System

From experienced hands – for experienced hands!



Aesculap Neurosurgery



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 enhance 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.

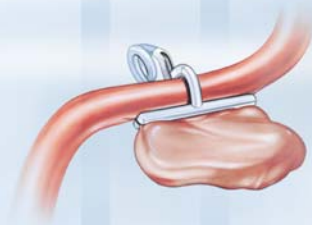
From experienced hands... for experienced hands!

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 promise for high 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 2.0 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 50 appliers. Through continuous further development of the YASARGIL Aneurysm Clip system, Aesculap is committed to offer implants and instruments of high quality 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.

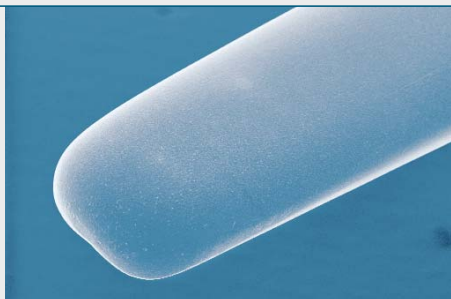
Precision manual work and the most advanced high technology are intricately and accurately combined in the manufacture of YASARGIL Aneurysm Clips. A total of approximately 30 different operations is required to produce one clip, and 70% of these are manual. A quality check is performed after each operation.

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. 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 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.

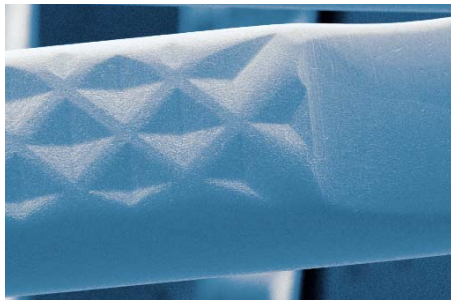


• ... an original YASARGIL Aneurysm Clip!

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

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)?















Aesculap® YASARGIL Aneurysm Clip System















Titanium Standard Clips

TITANIUM STANDARD

TEMPORARY

PERMANENT

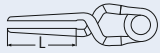
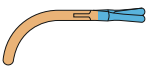
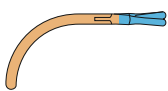
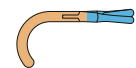
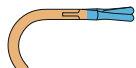
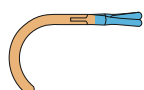


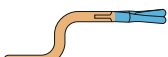



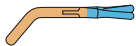
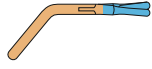
Art. No.		Blade length mm	Maximal opening mm	Closing force N g	
FT240T		7.0	6.2	1.08	110
FT250T		9.0	7.0	0.88	90
FT260T		11.0	7.8	0.88	90
FT280T		15.0	9.2	0.88	90
FT292T		17.5	10.6	0.88	90
FT290T		20.0	11.4	1.08	110
FT242T		6.5	6.0	1.08	110
FT252T		8.3	6.8	0.88	90
FT262T		10.2	7.5	0.88	90
FT282T		13.7	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

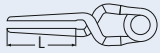
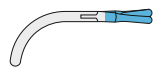
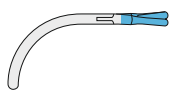
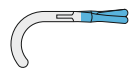
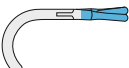
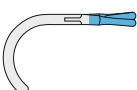






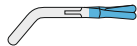
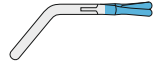
Art. No.		Blade length mm	Maximal opening mm	Closing force N g	
FT740T		7.0	6.2	1.47	150
FT750T		9.0	7.0	1.77	180
FT760T		11.0	7.8	1.77	180
FT780D		15.0	9.2	1.96	200
FT792D		17.5	10.6	1.96	200
FT790D		20.0	11.4	1.96	200
FT742T		6.5	6.0	1.47	150
FT752T		8.3	6.8	1.77	180
FT762T		10.2	7.5	1.77	180
FT782T		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

- 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

Art. No.		Blade length mm	Maximal opening mm	Closing force 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
	Height of step 2.5 mm				
FT270T		5.0	8.0	1.08	110
	Height of step 3.5 mm				
FT271T		5.0	8.0	1.08	110
	Height of step 4.5 mm				
FT272T		5.0	8.0	1.08	110
FT248T		7.0	7.9	0.88	90
FT258T		9.0	8.7	0.88	90
FT259T		12.0	10.2	0.88	90
FT103T		6.1	6.5	1.08	110
FT113T		8.0	6.2	1.08	110

Art. No.		Blade length mm	Maximal opening mm	Closing force 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
	Height of step 2.5 mm				
FT770T		5.0	8.0	1.96	200
	Height of step 3.5 mm				
FT771T		5.0	8.0	1.96	200
	Height of step 4.5 mm				
FT772T		5.0	8.0	1.96	200
FT748T		7.0	7.9	1.96	200
FT758T		9.0	8.7	1.96	200
FT759T		12.0	10.2	1.96	200
FT603T		6.1	6.5	1.96	200
FT613T		8.0	6.2	1.96	200

TITANIUM STANDARD


Aesculap® YASARGIL Aneurysm Clip System

Titanium Standard Clips

TITANIUM STANDARD


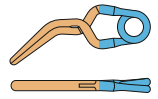
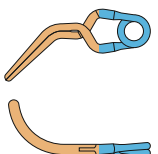
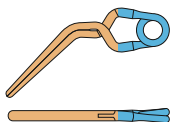
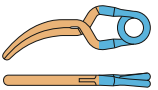
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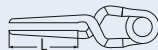
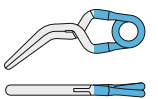
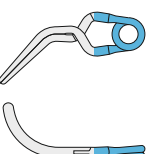
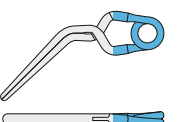
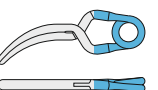
PERMANENT

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

TEMPORARY

PERMANENT

Art. 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

Art. 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 STANDARD

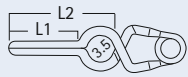
Aesculap® YASARGIL Aneurysm Clip System

Titanium Standard Clips with Fenestration

TEMPORARY

PERMANENT

TITANIUM STANDARD



Diameter of fenestration 3.5 mm

Art. 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

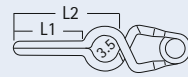
FT102T  5/7.8 5.8 1.08 110

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



Diameter of fenestration 3.5 mm

Art. No. Blade length mm L1/L2 Maximal opening mm Closing force N g

FT597T  3/8.1 7.5 1.47 150

FT598T  4/9.1 7.4 1.47 150

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

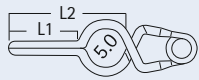










FT622T  10/11 7.2 1.77 180

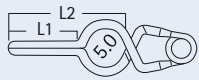










FT604T  5/5.1 4.9 1.47 150

FT614T  7.5/5.1 4.9 1.47 150

TEMPORARY

PERMANENT

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

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

Aesculap® YASARGIL Aneurysm Clip System

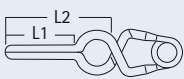
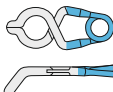
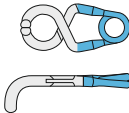
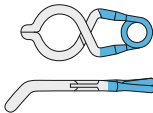
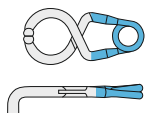
ULTRA SHORT FENESTRATED Aneurysm Clip

PERMANENT

TITANIUM STANDARD

"Dog-ear"-Clips

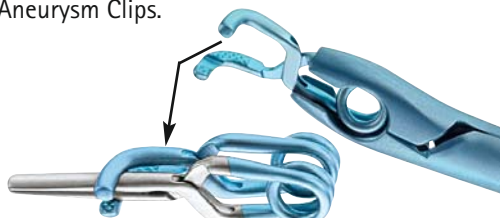
Aneurysm clips with a particularly short blade length (3 mm) and fenestration serve for the treatment of minor aneurysms (e.g. "dog-ear-aneurysms").

Art. No.		Blade length mm L1/L2	Maximal opening mm	Closing force N	Diam. of fenestration 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

PERMANENT

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



Art. No.

FT900T

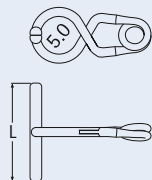



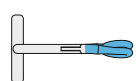
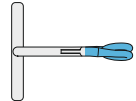
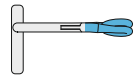
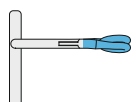
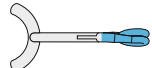
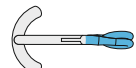
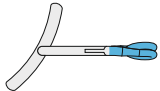
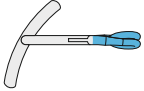


Titanium T-Bar Clips acc. to Kopitnik

PERMANENT

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.

Art. No.		Diameter of fenestration 5 mm			
		Blade length mm	Angle	Maximal opening mm	Closing force 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
FT857T		8.9	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

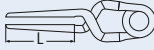
























Aesculap® YASARGIL Aneurysm Clip System

Titanium Mini Clips

TEMPORARY

PERMANENT

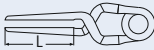


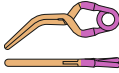
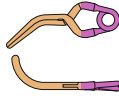
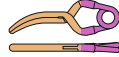


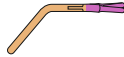
TITANIUM MINI




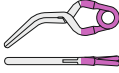




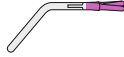
Art. No.		Blade length mm	Maximal opening mm	Closing force N g		Art. No.		Blade length mm	Maximal opening mm	Closing force N g	
FT180T		3.0	3.3	0.88	90	FT680T		3.0	3.3	1.08	110
FT190T		5.0	4.0	0.69	70	FT690T		5.0	4.0	1.08	110
FT200T		3.0	3.3	0.88	90	FT700T		3.0	3.3	1.08	110
FT210T		5.0	4.0	0.69	70	FT710T		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

- 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

Art. 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
FT227T		4.0	7.0	0.69	70
FT228T		7.0	5.7	0.69	70
FT306T		7.0	4.5	0.69	70

Art. 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

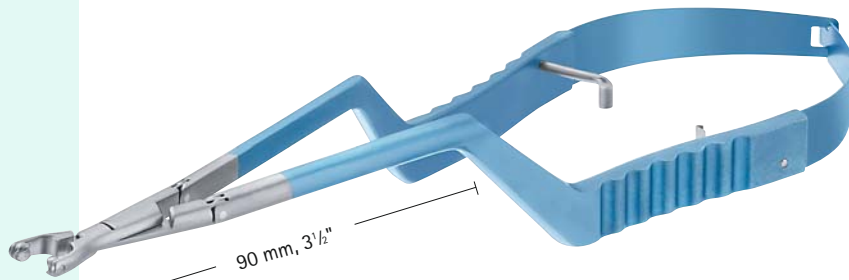
TITANIUM MINI

Aesculap® YASARGIL Aneurysm Clip System Titanium Vario Clip Applier

■ Color coding blue for Standard and violet for Mini clips

STANDARD

MINI



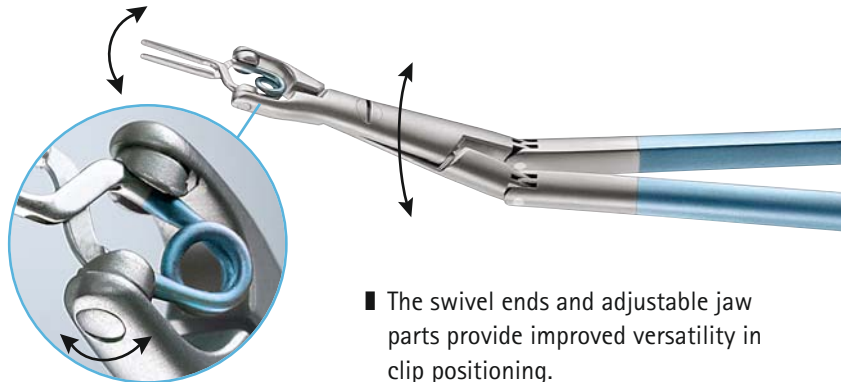
220 mm, 8 3/4"

90 mm, 3 1/2"

FT412T

FT402T

TITANIUM APPLYING FORCEPS



■ The swivel ends and adjustable jaw parts provide improved versatility in clip positioning.








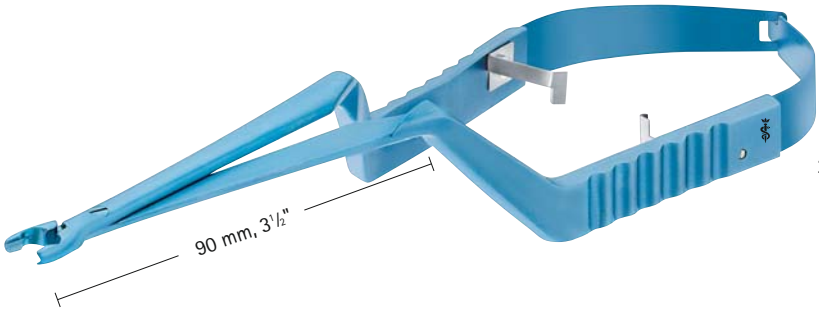






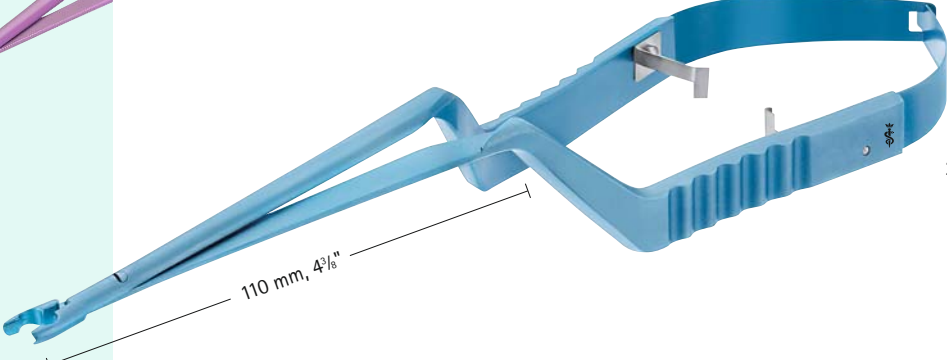

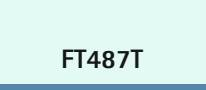
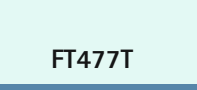

FT402800

Adjusting Key



■ Adjusting Key for Vario Clip Applier for setting the swivel at an angle

Titanium YASARGIL Clip Applier

STANDARD		MINI			
				180 mm, 7"	
FT480T	FT470T				
				220 mm, 8 3/4"	
FT482T	FT472T		straight		
			15° angled		
FT485T	FT475T				
				250 mm, 9 1/2"	
FT484T	FT474T		straight		
			15° angled		
FT487T	FT477T				

TITANIUM APPLYING FORCEPS

Aesculap® YASARGIL Aneurysm Clip System

Titanium XS Clip Applier

■ Distinction between Standard and Mini applicators through label inside the handle

TITANIUM APPLYING FORCEPS

STANDARD

MINI



- 360° rotation
- Suitable for narrow approach



FT495T

FT490T



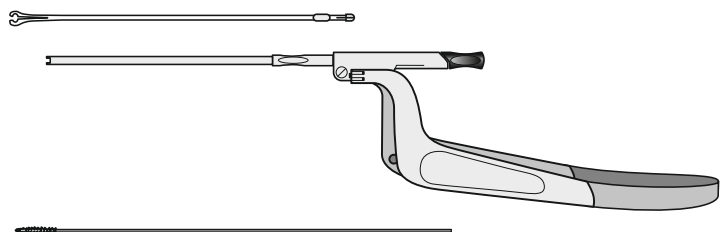
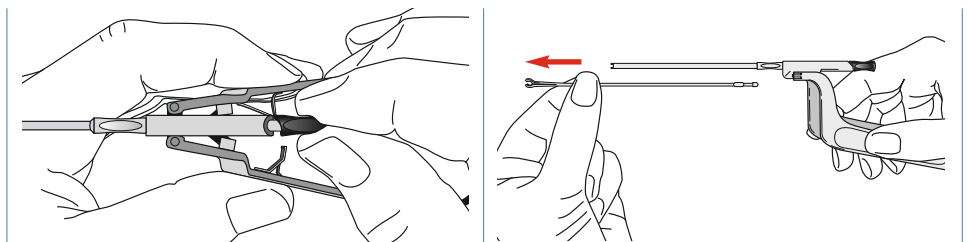
FT496T

FT491T

Disassembly

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



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

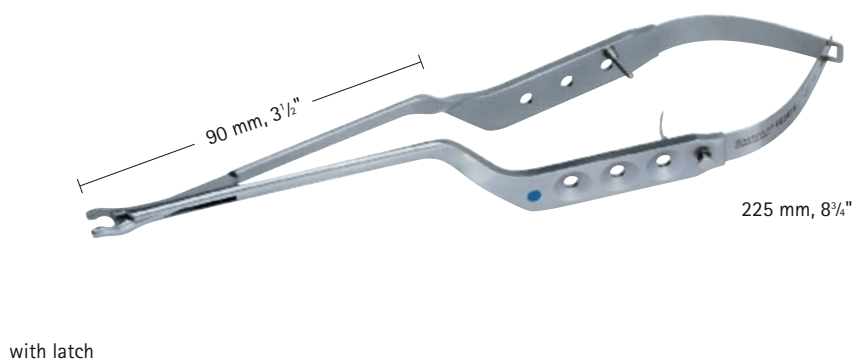


Double Bayonet Clip Applier

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



STANDARD	MINI
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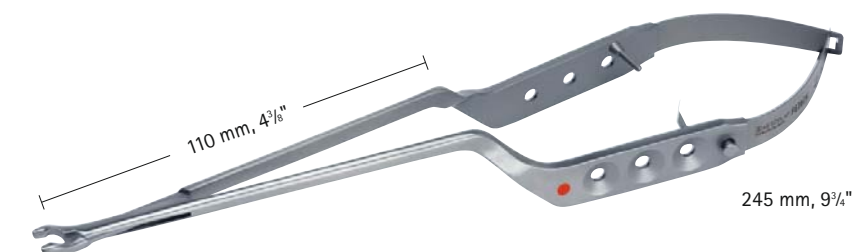
	
FT501T	FT511T
FT505T	FT515T



with latch

without latch

	
FT502T	FT512T
FT506T	FT516T



with latch

without latch



■ The Double Bayonet Clip Applier has an additional bayonet shape at the jaw.



■ This leads to an optimized view of the clip.

Aesculap® YASARGIL Aneurysm Clip System Titanium Clip Removing Forceps

■ Color coding blue for Standard and violet for Mini clips

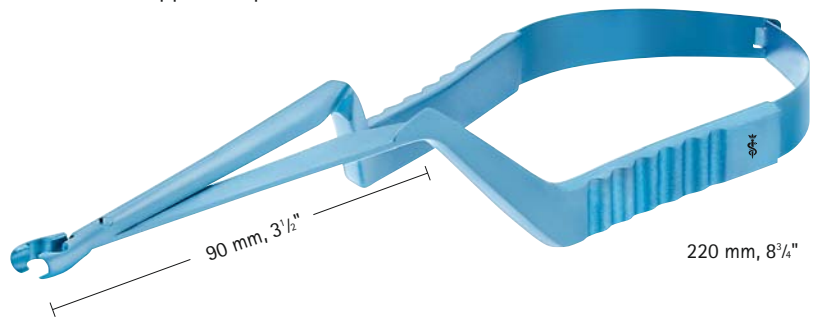
TITANIUM REMOVING FORCEPS

STANDARD

MINI

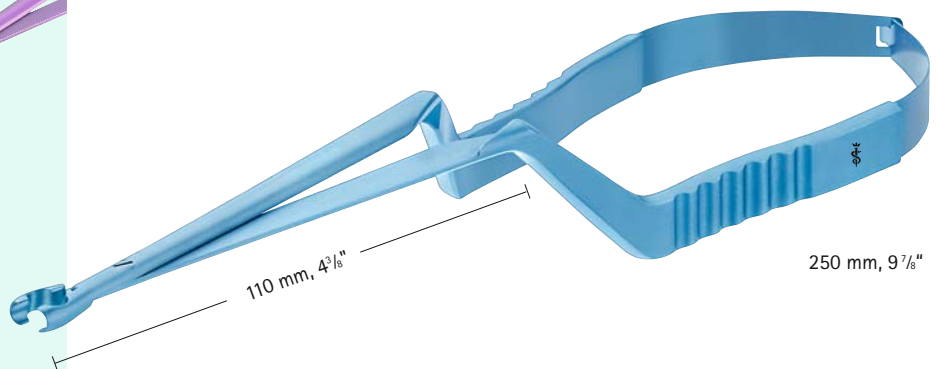
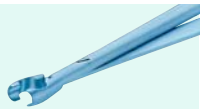


■ With special jaws for safe removal of an applied clip



FT082T

FT072T



FT083T

FT073T

YASARGIL Phynox Clips and Appliers



PHYNOX CLIPS

Aesculap® YASARGIL Aneurysm Clip System

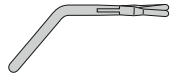

Phynox Standard Clips

PHYNOX STANDARD



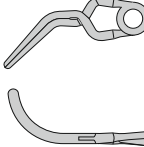
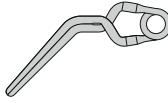

PERMANENT						PERMANENT					
Art. No.		Blade length mm	Maximal opening mm	Closing force N g		Art. No.		Blade length mm	Maximal opening mm	Closing force N g	
FE740K		7.0	6.2	1.47	150	FE754K		6.4	6.1	1.77	180
FE750K		9.0	7.0	1.77	180	FE764K		8.0	6.5	1.77	180
FE760K		11.0	7.8	1.77	180	FE784K		10.3	7.4	1.96	200
FE780K		15.0	9.2	1.96	200	FE823K		7.4	5.4	1.77	180
FE792K		17.5	10.6	1.96	200	FE824K		8.4	5.8	1.77	180
FE790K		20.0	11.4	1.96	200	FE825K		10.5	6.2	1.77	180
FE840K		25.0	13.3	1.77	180	FE748K		7.0	7.9	1.96	200
FE742K		6.5	6.0	1.47	150	FE758K		9.0	8.7	1.96	200
FE752K		8.3	6.8	1.77	180	FE759K		12.0	10.2	1.96	200
FE762K		10.2	7.5	1.77	180	FE798K		20.0	13.0	1.77	180
FE782K		13.7	8.7	1.96	200	FE770K		5.0	8.0	1.96	200
FE786K		15.3	9.8	1.96	200	FE771K		5.0	8.0	1.96	200
FE744K		5.4	5.5	1.47	150	FE772K		5.0	8.0	1.96	200

- MRI safety, non-ferromagnetic, tested up to 3 Tesla
- Color coding with silver spring and blades (permanent clip)
- Sterile packaging

PERMANENT

Art. 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

Art. 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

PHYNEX STANDARD

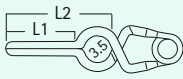








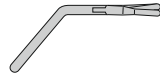
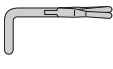


Aesculap® YASARGIL Aneurysm Clip System

Phynox Standard Clips with Fenestration

PHYNOX STANDARD

PERMANENT











PERMANENT








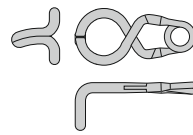
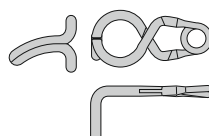
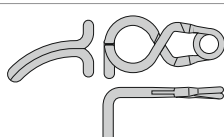
Art. No.		Diameter of fenestration 3.5 mm			
		Blade length mm L1/L2	Maximal opening mm	Closing force N	Closing force g
FE597K		3/8.1	6.5	1.47	150
FE598K		4/9.1	6.6	1.47	150
FE599K		5/10.1	7.0	1.47	150
FE600K		6/11	7.4	1.47	150
FE610K		9/14	8.4	1.47	150
FE620K		12/17	9.6	1.77	180
FE602K		5/7.3	5.8	1.47	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

PHYNEX STANDARD

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

Art. 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
FE654K		7.5/6.4	5.5	1.47	150
FE664K		10/6.4	5.5	1.77	180
FE648K		5/15.2	7.9	1.47	150
FE658K		7.5/17.7	8.8	1.47	150
FE668K		10/20.2	10.0	1.77	180
FE774K		5/6.7	5.0	1.47	150
FE775K		7.5/6.7	5.0	1.47	150
FE776K		10/6.7	5.0	1.47	150


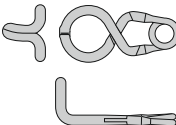
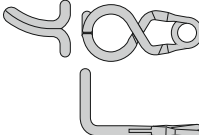
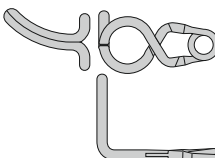
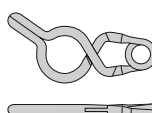
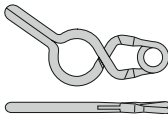
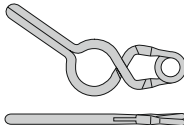
Aesculap® YASARGIL Aneurysm Clip System


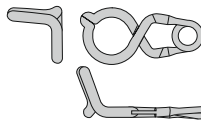
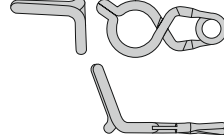
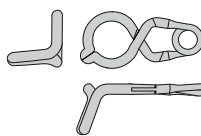
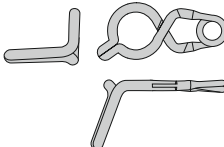

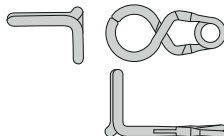
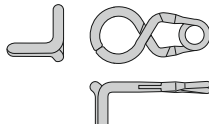
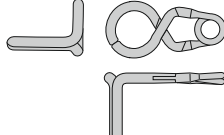
Phynox Standard Clips with Fenestration

PHYNOX STANDARD

PERMANENT

PERMANENT

Art. No.		Diameter of fenestration 5 mm			
		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

Art. No.		Diameter of fenestration 5 mm			
		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. to KOPITNIK

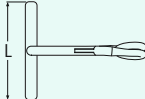



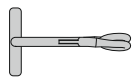
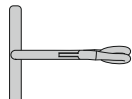
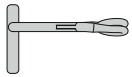
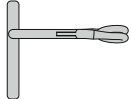
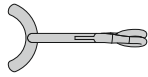
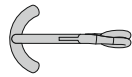
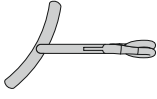
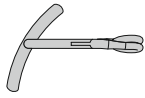
PERMANENT



Diameter of fenestration 5 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.

Art. No.		Blade length mm	Angle	Maximal opening mm	Closing force 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
FE864K		9.0	90°	5.5	1.47	150
FE865K		13.0	90°	5.5	1.77	180
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

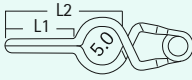
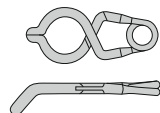
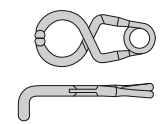
Aesculap® YASARGIL Aneurysm Clip System

ULTRA SHORT FENESTRATED Aneurysm Clip

PHYNOX STANDARD

PERMANENT

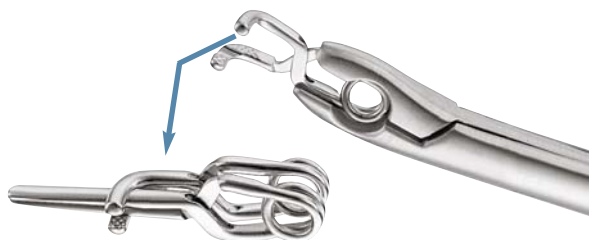
Diameter of fenestration 5 mm

Art. No.		Blade length mm L1/L2	Maximal opening mm	Closing force N	Diam. of fenestration 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.



Art. No.

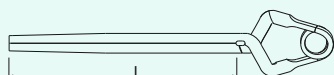
FE900K



Phynox Long Clips and Applier

PERMANENT

Art. 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

PHYNOX LONG CLIP

Long Clip Applier



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

FE560K

Aesculap® YASARGIL Aneurysm Clip System








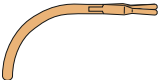
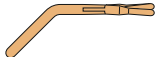



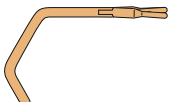
Phynox Standard and Mini Clips

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








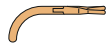
■ Color coding with gold spring and blades (temporary clip)

PHYNOX STANDARD AND MINI

TEMPORARY (STANDARD)

Art. 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
FE769K		11.0	7.8	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

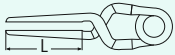















TEMPORARY (MINI)

Art. 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

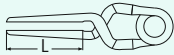
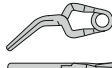
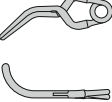
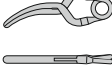



■ MRI safety, non-ferromagnetic, tested up to 3 Tesla

■ Color coding with silver spring and blades
(permanent clip)

PERMANENT (MINI)

Art. No.		Blade length mm	Maximal opening mm	Closing force N	Closing force 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)

Art. No.		Blade length mm	Maximal opening mm	Closing force N	Closing force 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

Aesculap® YASARGIL Aneurysm Clip System

Phynox Vario Clip Applier

■ Distinction between Standard and Mini applicators through label on the spring

PHYNOX APPLYING FORCEPS

STANDARD

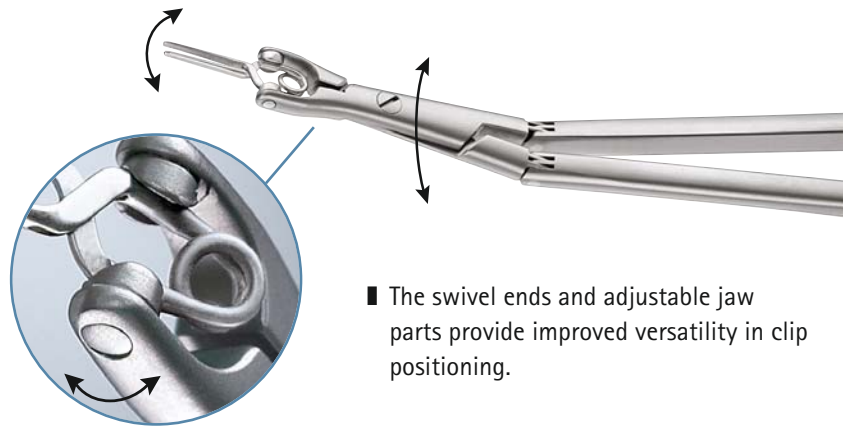
MINI

For AESCULAP YASARGIL STANDARD - Phynox-Clips only

For AESCULAP YASARGIL MINI - Phynox-Clips only

FE512T

FE502T



FT402800

Adjusting Key

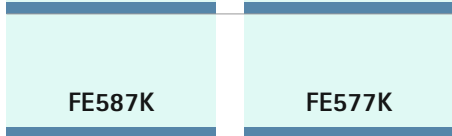
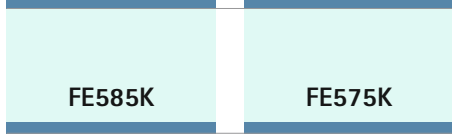
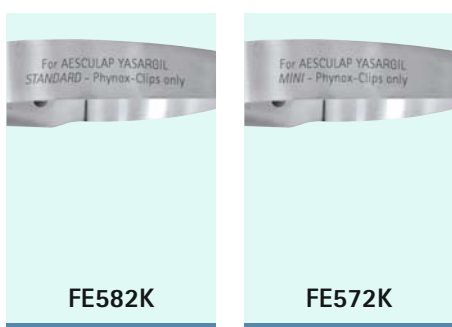
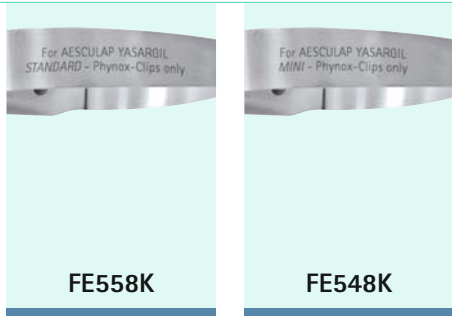


■ Adjusting Key for Vario Clip Applier for setting the swivel at an angle

Phynox YASARGIL Clip Applier

■ Distinction between Standard and Mini applicators through label on the spring

STANDARD	MINI
----------	------



PHYNOX APPLYING FORCEPS

Aesculap® YASARGIL Aneurysm Clip System

Phynox XS Clip Applier

■ Distinction between Standard and Mini applicators through label inside the handle

PHYNOX APPLYING FORCEPS

STANDARD

MINI



- 360° rotation
- Suitable for narrow approach



FE495K

FE490K



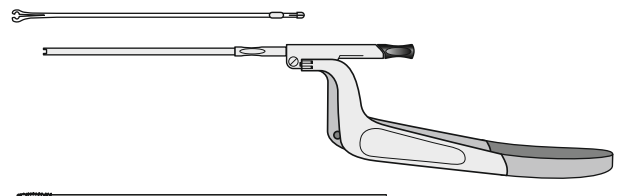
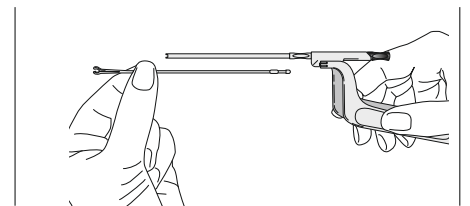
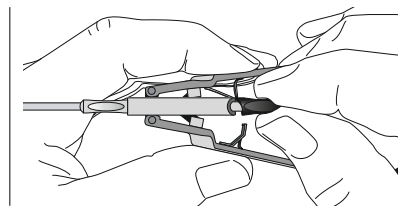
FE496K

FE491K

Disassembly

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



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

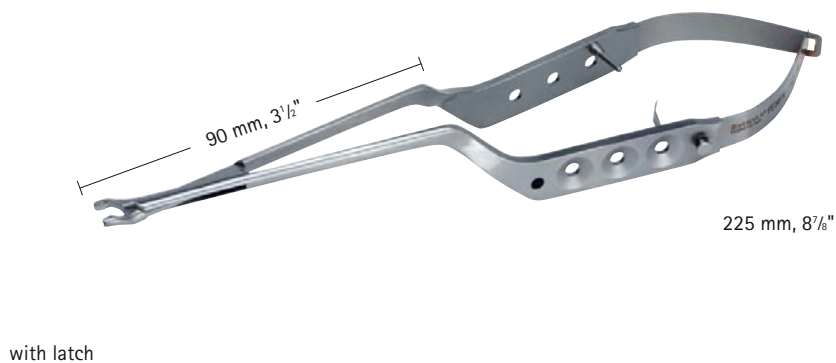


Double Bayonet Clip Applier

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



STANDARD	MINI
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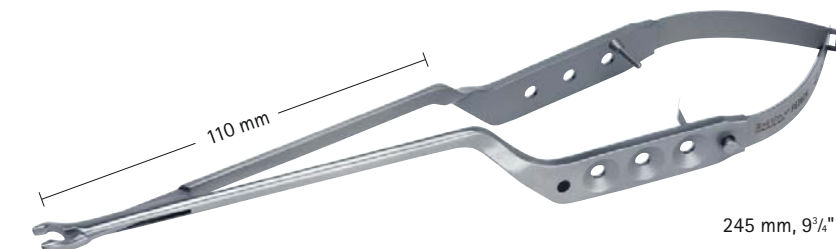
	
FE301K	FE311K
FE305K	FE315K



with latch

without latch

	
FE302K	FE312K
FE306K	FE316K



with latch

without latch



■ The Double Bayonet Clip Applier has an additional bayonet shape at the jaw.



■ This leads to an optimized view of the clip.

Aesculap® YASARGIL Aneurysm Clip System Storage

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

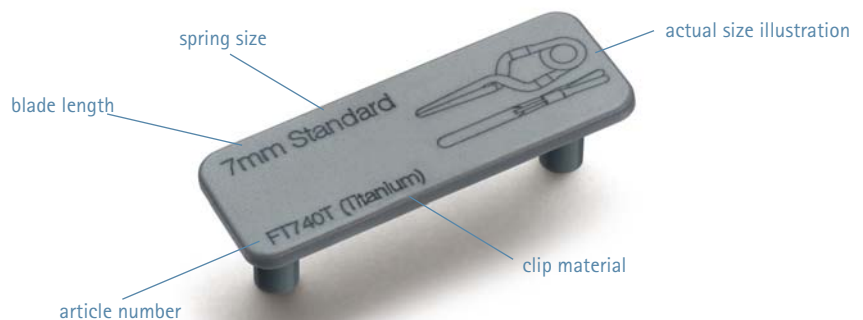
FT006P

FT007P



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 article numbers of the tags are as follows: Art. No. of clip + "-TAG"

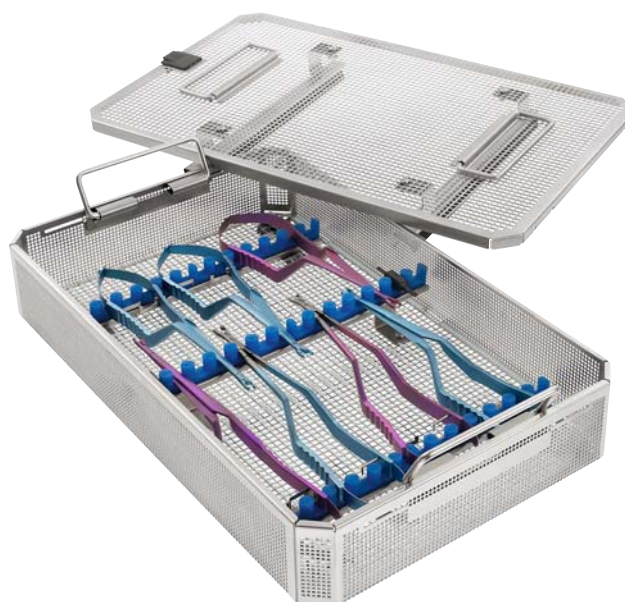
e.g.: FT740T-TAG is the identification tag for the clip FT740T

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

FM665R

Storage for clip appliers

Perforated basket with lid, for storage of clip appliers



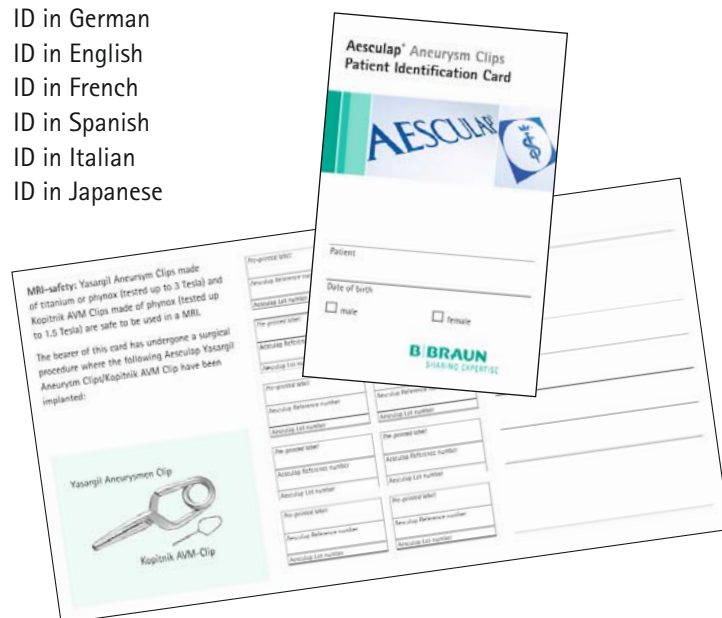
STORAGE + ACCESSORIES

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:

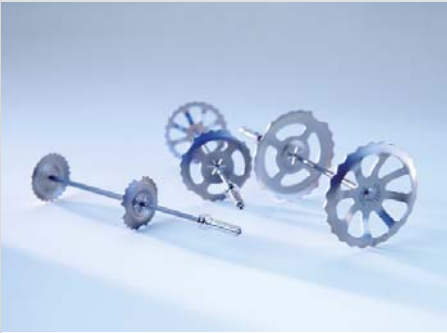
- C07801 ID in German
- C07802 ID in English
- C07803 ID in French
- C07804 ID in Spanish
- C07805 ID in Italian
- C07892 ID in Japanese



Aesculap® Neurosurgery

AESCULAP. EXPERTISE IN SURGERY.

■ CranioFix®2



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

■ CranioFix® absorbable

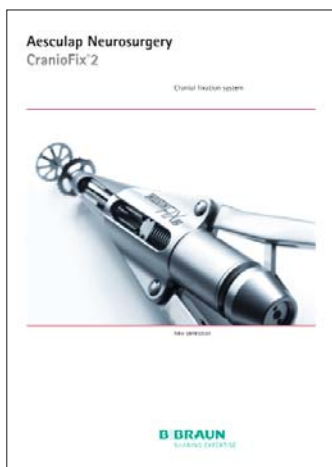


... for fixation of bone flaps – usable without instruments and especially for children and recurring tumor patients.

■ CranioPlate



... 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



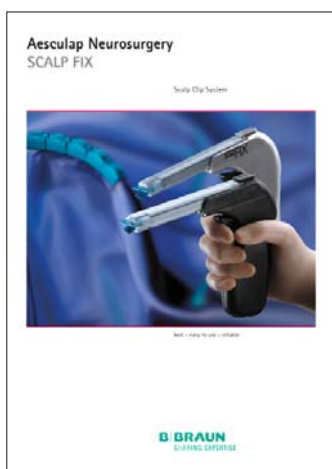
... for the temporary or permanent occlusion of arteriovenous malformations (AVM's).

Fukushima suction cannulas

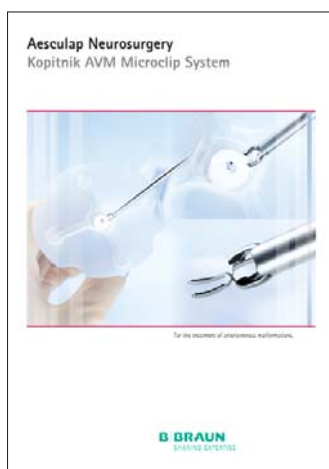


... the classic suction cannulas for neurosurgery procedures!

AESCULAP. EXPERTISE IN SURGERY.



For more information see
Brochure C79002



For more information see
Brochure C07702



For more information see
Brochure C81202

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0712/Y.Y/16