

YASARGIL® Aneurysm Clip System

Rx Only

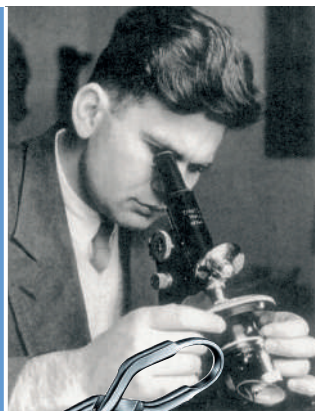
A trusted name in Aneurysm treatment for over 45 years

ENVISION THE EXTRAORDINARY™



AESCULAP®

YASARGIL® Aneurysm Clip System



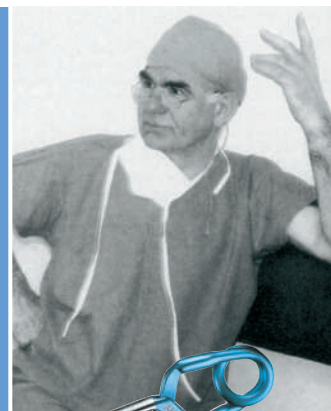
1968

- The first generation YASARGIL Aneurysm Clips were made from steel with a half spring coil and no jaw guidance.



1970

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



1983

- The YASARGIL Aneurysm clip made from Phynox is designed to increase MRI compatibility. A patented box lock is designed to alleviate the aneurysm clip blades from crossing during a surgical clipping procedure.

1995

- The YASARGIL Aneurysm Clip with 1.5 spring coil made from titanium is designed to improve postoperative control and diagnosis by helping to reduce the number of artifacts in CT and MRI scans.

The "Gold Standard" for Aneurysm treatment

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

Since their introduction, millions of clips have been implanted by thousands of neurosurgeons in more than 80 countries. A milestone in the history of neurosurgery.

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

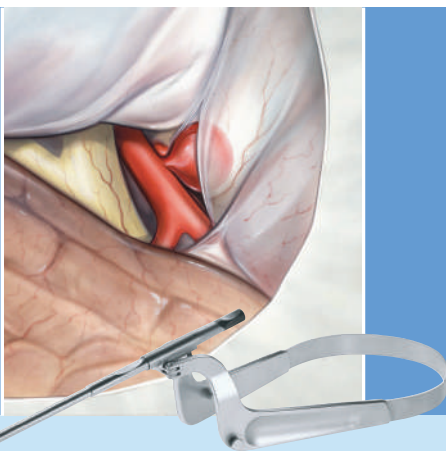
Through further innovation and development of the YASARGIL Aneurysm Clip system, Aesculap will continue to offer implants and instruments of high quality for our customers and their patients.

Indications for Use:

The Yasargil Aneurysm clips are intended for occlusion of cerebral aneurysms in either a temporary or permanent manner. They are applied with Aesculap clip appliers, which contain titanium alloy or phynox jaws.

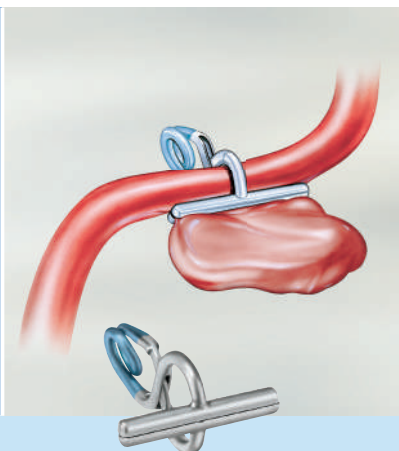
See Instructions for Use for additional information including Warnings and Precautions.

Rx Only.



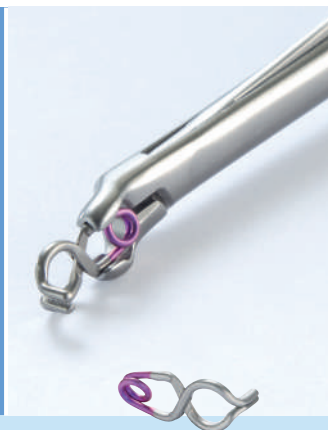
2004

- The XS Clip Applier was introduced to support keyhole surgery.



2006

- The YASARGIL Aneurysm T-Bar and AVM Clips made from titanium and Phynox are designed to aid and expand treatment possibilities.



2013

- The first mini clips with fenestration are designed for a more precise reconstruction of the vascular structures in narrow spaces.

■ Quality Leader

Manufactured in Aesculap's state-of-the-art production facility in Tuttlingen, Germany.

■ Trusted Experience

Since their introduction in 1968, over 3 million YASARGIL Aneurysm Clips have been sold worldwide.

■ Education Commitment

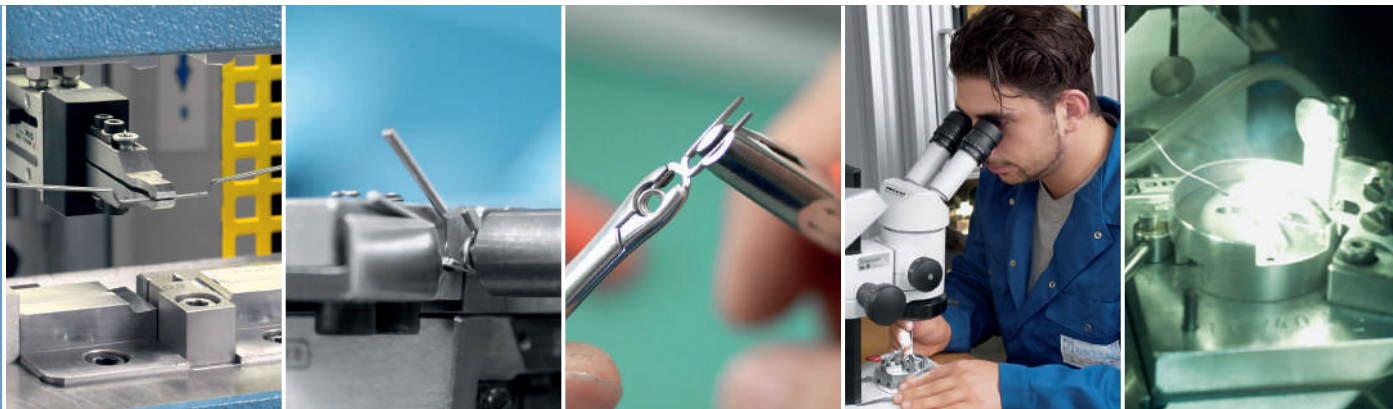
The Aesculap Academy® provides professional development and training courses in over 40 countries, with a world-wide reputation as a leading forum for medical training.

■ Excellent Performance

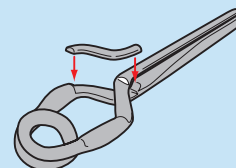
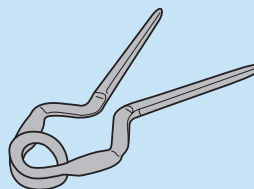
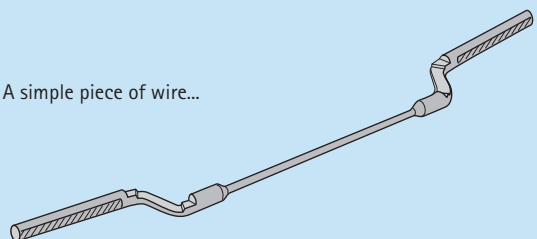
Strong clinical outcomes make YASARGIL Aneurysm Clips one of the top choices of cerebrovascular neurosurgeons worldwide.



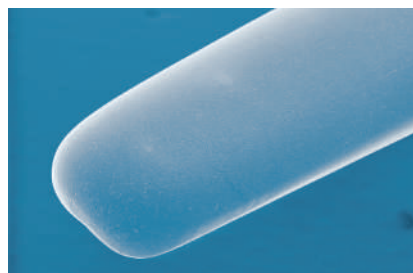
YASARGIL® Aneurysm Clip System



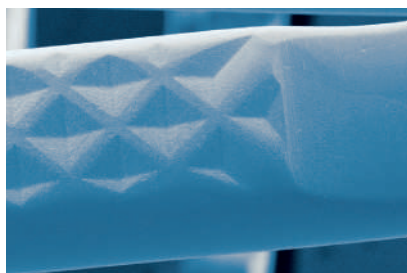
• A simple piece of wire...



Quality you can trust.



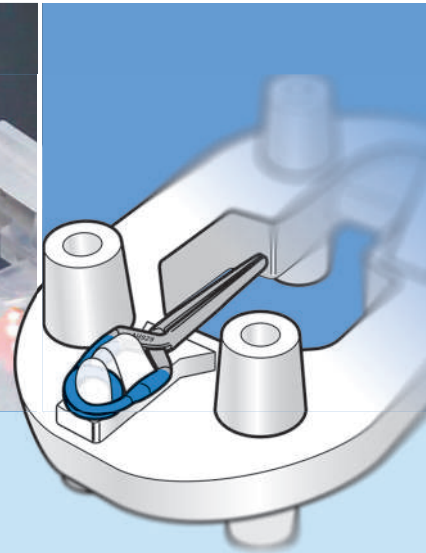
REM image
Atraumatic tip of a YASARGIL Clip from Aesculap
Smooth surface that helps prevent damage to tissue.



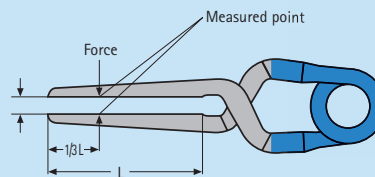
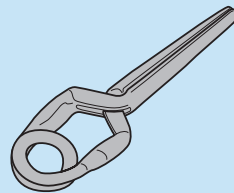
REM image
Atraumatic blade profile of a YASARGIL Clip from Aesculap
The deep, symmetrical, pyramidal stamping of both blades is designed to double the contact surface area and counteracts the slip effect.



REM image
Unique box lock of a YASARGIL Clip from Aesculap
The flat design with a broad contact surface helps to enable a smooth opening and closing as well as stability.



- ... becomes a critical tool for advanced treatment of aneurysms.



Did you know?

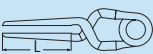
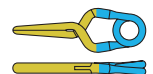
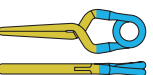
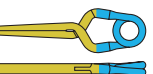
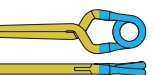
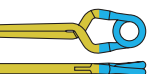
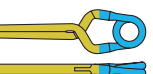
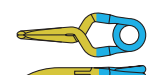
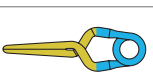
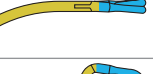
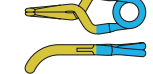
- 30 production steps are required to produce one clip.
- 70% of the production is performed manually under the microscope.
- A clip is checked 10 times for dimension, surface and closing force during the production process.
- The profile of the blades are stamped evenly with 24 tons.
- The manufacturing tolerances of 0.02 mm are 10 times smaller than a human hair.
- The welding temperature for the metal plate reaches 2500 °C (4532 °F).
- The serial number allows for traceability back to every clip individually.

YASARGIL® Aneurysm Clip System

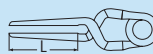
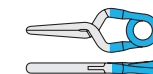
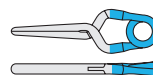
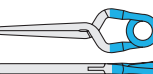
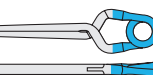
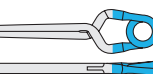
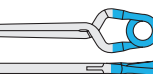
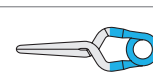
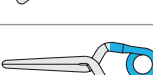
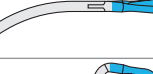
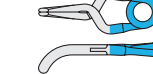
Titanium Standard Clips

TITANIUM STANDARD

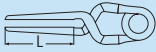
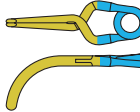
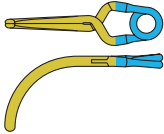
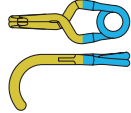
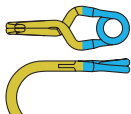
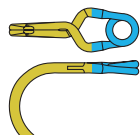
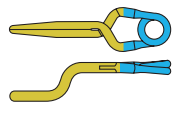
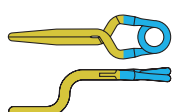
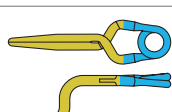
TEMPORARY

Item 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

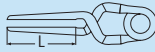
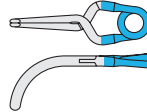
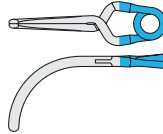
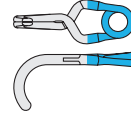
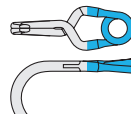
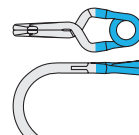
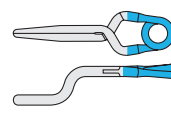
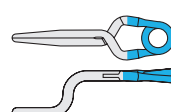
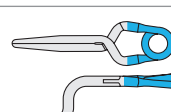
PERMANENT

Item 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

TEMPORARY

Item No.		Blade length	Maximal opening	Closing force	
		mm	mm	N	g
FT264T		8.0	6.5	1.08	110
FT284T		10.3	7.4	1.08	110
FT323T		7.4	5.4	1.08	110
FT324T		8.4	5.8	1.08	110
FT325T		10.5	6.2	1.08	110
FT270T		5.0	8.0	1.08	110
FT271T		5.0	8.0	1.08	110
FT272T		5.0	8.0	1.08	110

PERMANENT

Item No.		Blade length	Maximal opening	Closing force	
		mm	mm	N	g
FT764T		8.0	6.5	1.77	180
FT784T		10.3	7.4	1.96	200
FT823T		7.4	5.4	1.77	180
FT824T		8.4	5.8	1.77	180
FT825T		10.5	6.2	1.77	180
FT770T		5.0	8.0	1.96	200
FT771T		5.0	8.0	1.96	200
FT772T		5.0	8.0	1.96	200

■ MR Conditional, 3-Tesla or less*

■ Color coding with blue spring (standard clip) and golden or silver blades (temporary or permanent clip respectively)

■ Sterile packaging

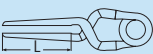
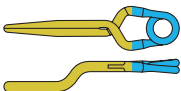
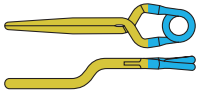
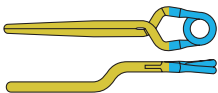
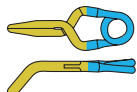
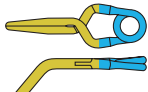
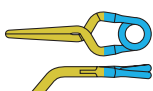
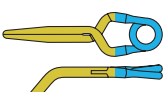
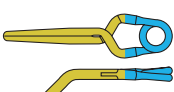
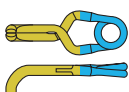
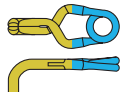
* Please refer to the MRI Safety Information section of the Instructions for Use for MR-related safety information.

YASARGIL® Aneurysm Clip System

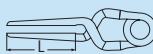
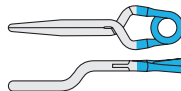
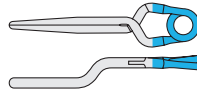
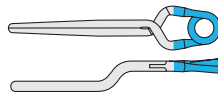
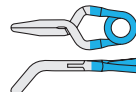
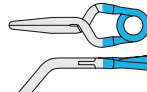
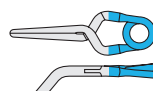
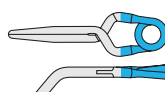
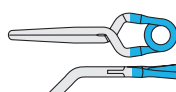
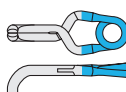
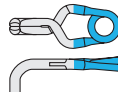
Titanium Standard Clips

TITANIUM STANDARD

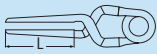
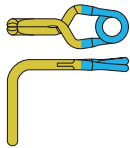
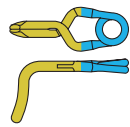
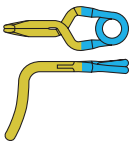
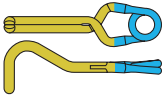
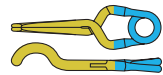
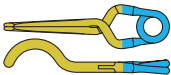
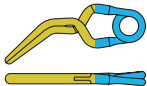
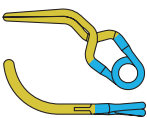
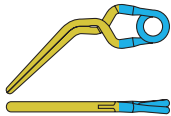
TEMPORARY

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

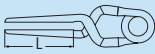
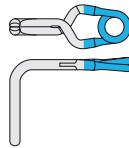
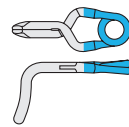
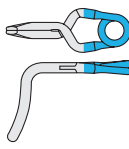
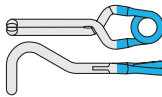
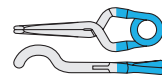
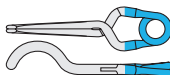
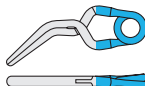
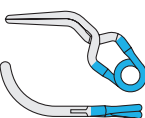
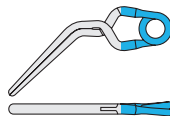
PERMANENT

Item No.		Blade length mm	Maximal opening mm	Closing force N g	
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
FT810T		9.0	6.5	1.96	200
FT623T		10.6	7.8	1.96	200
FT763T		11.8	8.4	1.67	170
FT819T		5.0	5.6	1.96	200
FT820T		7.0	4.5	1.96	200

TEMPORARY

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

PERMANENT

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

■ MR Conditional, 3-Tesla or less*

■ Color coding with blue spring (standard clip) and golden or silver blades (temporary or permanent clip respectively)

■ Sterile packaging

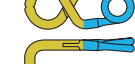
* Please refer to the MRI Safety Information section of the Instructions for Use for MR-related safety information.

YASARGIL® Aneurysm Clip System

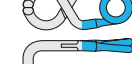
Titanium Standard Clips with Fenestration

TITANIUM STANDARD

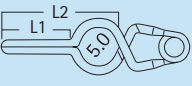
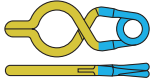
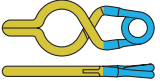
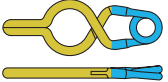
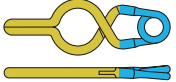
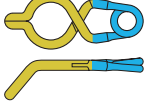
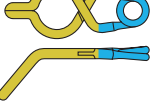
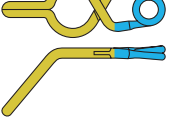
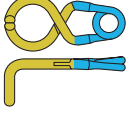
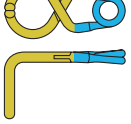
TEMPORARY

Item No.		Diameter of fenestration 3.5 mm			
		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

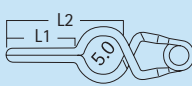
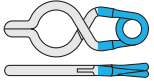
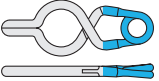
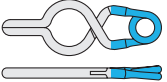
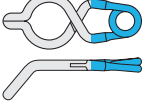
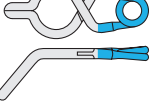
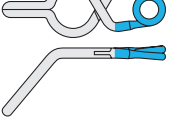
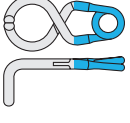
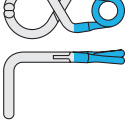
PERMANENT

Item No.		Diameter of fenestration 3.5 mm			
		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

Item No.		Diameter of fenestration 5 mm			
		Blade length mm L1/L2	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

PERMANENT

Item No.		Diameter of fenestration 5 mm			
		Blade length mm L1/L2	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

YASARGIL® Aneurysm Clip System

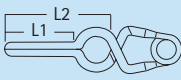
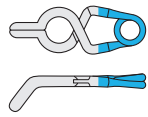
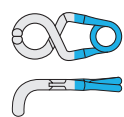
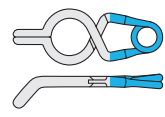
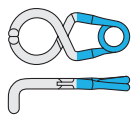
Ultra-short Fenestrated Clips

TITANIUM STANDARD

"Dog-ear" Clips

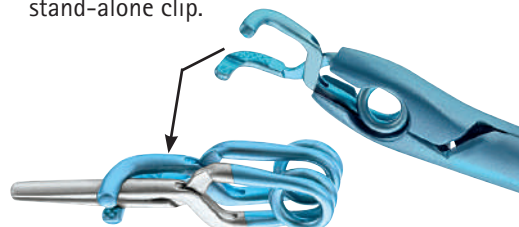
Aneurysm clips with a particularly short blade length (3 mm) and fenestration serve for the treatment of minor aneurysms (e.g. "dog ear-aneurysms").

PERMANENT

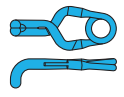
Item No.		Blade length mm L1/L2	Maximal opening mm	Closing force N	Diameter of fenestration mm
FT902T		3.0/6.3	5.8	1.47	3.5
FT904T		3.0/5.1	4.9	1.47	3.5
FT942T		3.0/8.1	6.0	1.47	5.0
FT944T		3.0/6.7	5.5	1.47	5.0

Titanium Reinforcing Clip

FT900T is intended to be used for increasing the closing force of YASARGIL Titanium Standard Aneurysm Clips. FT900T is not intended to be used as a stand-alone clip.



PERMANENT

Item No.	
FT900T	

Titanium Mini Clips with Fenestration

Mini clips with fenestration

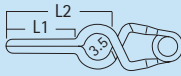
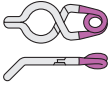
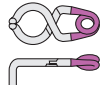
- Allows use of fenestrated clips in narrow spaces

Thin blades and a reduced triangle-shaped gap at the proximal end

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

Area of use

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

PERMANENT					
Item No.		Blade length mm L1/L2	Maximal opening mm	Closing force N	Diameter of fenestration mm
FT802T		3.0/6.9	3.2	110	3.5
FT804T		3.0/5.1	3.2	110	3.5

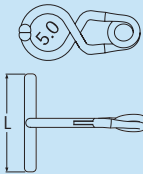
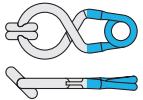
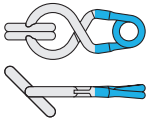
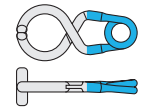
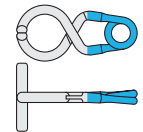
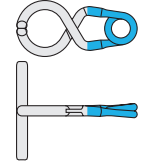
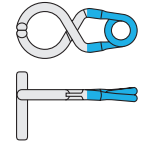
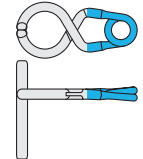
Developed in co-operation with:
 Rokuya Tanikawa, M. D.
 Director Stroke Center, Department of Neurosurgery
 Teishinkai Hospital, Sapporo, Japan

YASARGIL® Aneurysm Clip System

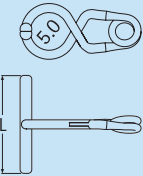
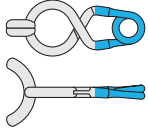
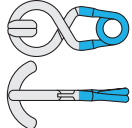
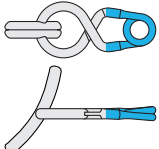
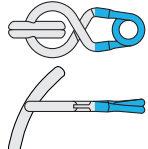
Titanium T-Bar Clips

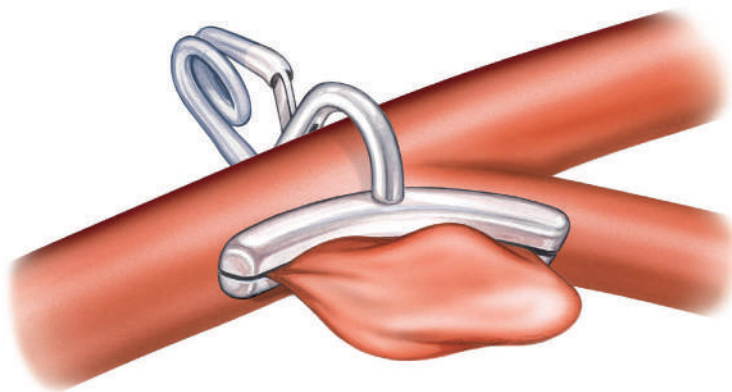
PERMANENT

TITANIUM T-BAR

Item 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

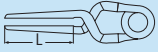
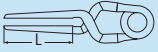
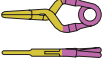
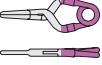
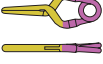
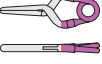
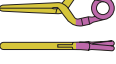
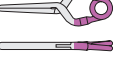
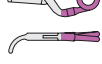
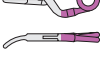
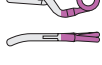
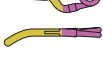
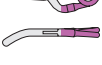
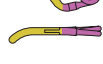
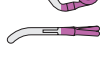
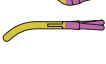
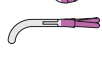
PERMANENT

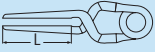
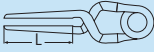
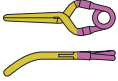
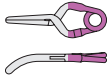
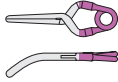
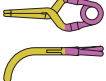
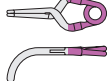
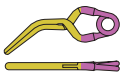
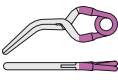
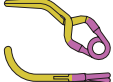
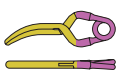
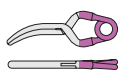
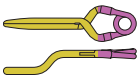
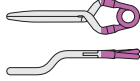
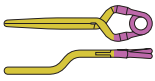
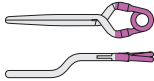
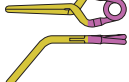
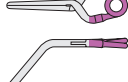
Item No.		Diameter of fenestration 5 mm				
		Blade length mm	Angle	Maximal opening mm	Closing force N g	
FT857T		9.0	90°	5.5	1.47	150
FT858T		9.0	90°	5.5	1.47	150
FT859T		13.0	60°	5.5	1.77	180
FT860T		13.0	60°	5.5	1.77	180



YASARGIL® Aneurysm Clip System

Titanium Mini Clips

TITANIUM MINI	TEMPORARY						PERMANENT					
	Item No.		Blade length mm	Maximal opening mm	Closing force N g		Item 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	FT714T		3.9	3.5	1.08	110

TEMPORARY						PERMANENT					
Item No.		Blade length mm	Maximal opening mm	Closing force N g		Item No.		Blade length mm	Maximal opening mm	Closing force N g	
FT222T		6.6	4.4	0.69	70	FT726T		5.2	4.0	1.08	110
FT214T		3.9	3.5	0.78	80	FT722T		6.6	4.4	1.08	110
FT224T		5.0	4.0	0.69	70	FT724T		5.0	4.0	1.08	110
FT216T		5.0	3.5	0.69	70	FT716T		5.0	3.5	1.08	110
FT307T		4.7	4.0	0.69	70	FT807T		4.7	4.0	1.08	110
FT217T		6.3	6.0	0.69	70	FT717T		6.3	6.0	1.08	110
FT227T		4.0	7.0	0.69	70	FT727T		4.0	7.0	1.08	110
FT228T		7.0	5.7	0.69	70	FT728D		7.0	5.7	1.08	110
FT306T		7.0	4.5	0.69	70	FT806T		7.0	4.5	1.08	110

■ MR Conditional, 3-Tesla or less*

■ Color coding with violet spring (mini clip) and golden or silver blades (temporary or permanent clip respectively)

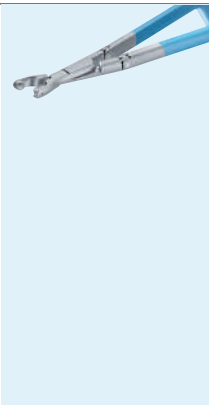
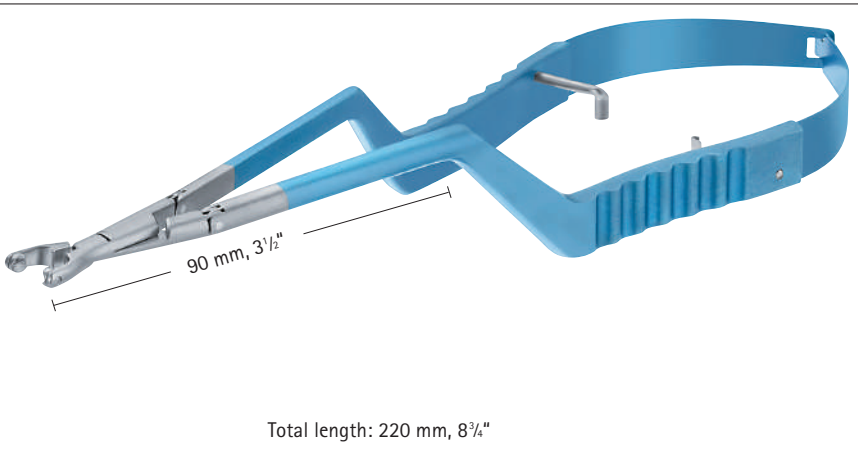
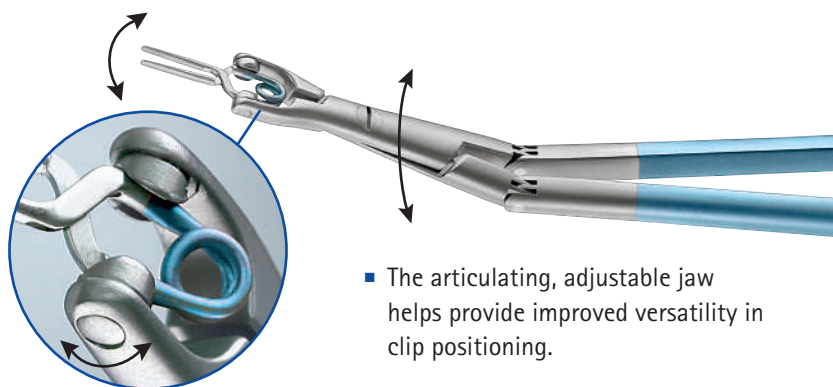
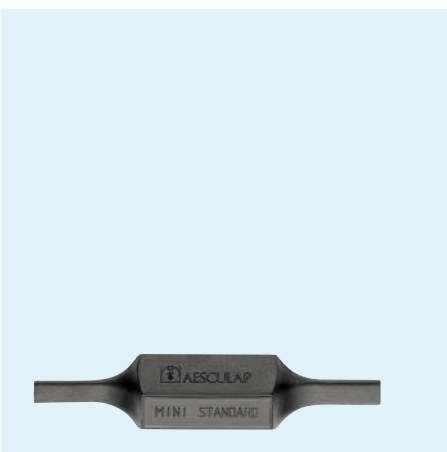
■ Sterile packaging

* Please refer to the MRI Safety Information section of the Instructions for Use for MR-related safety information.

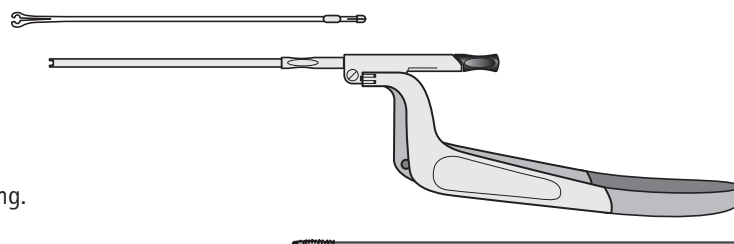
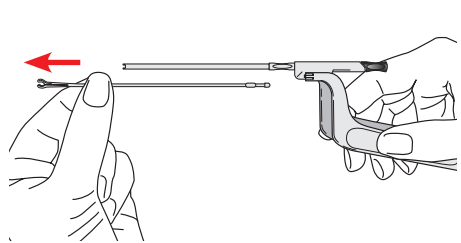
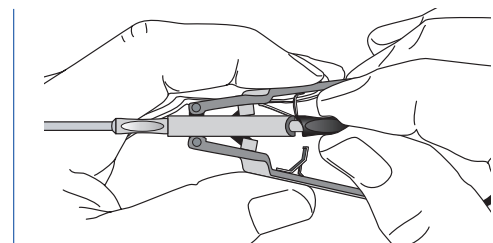
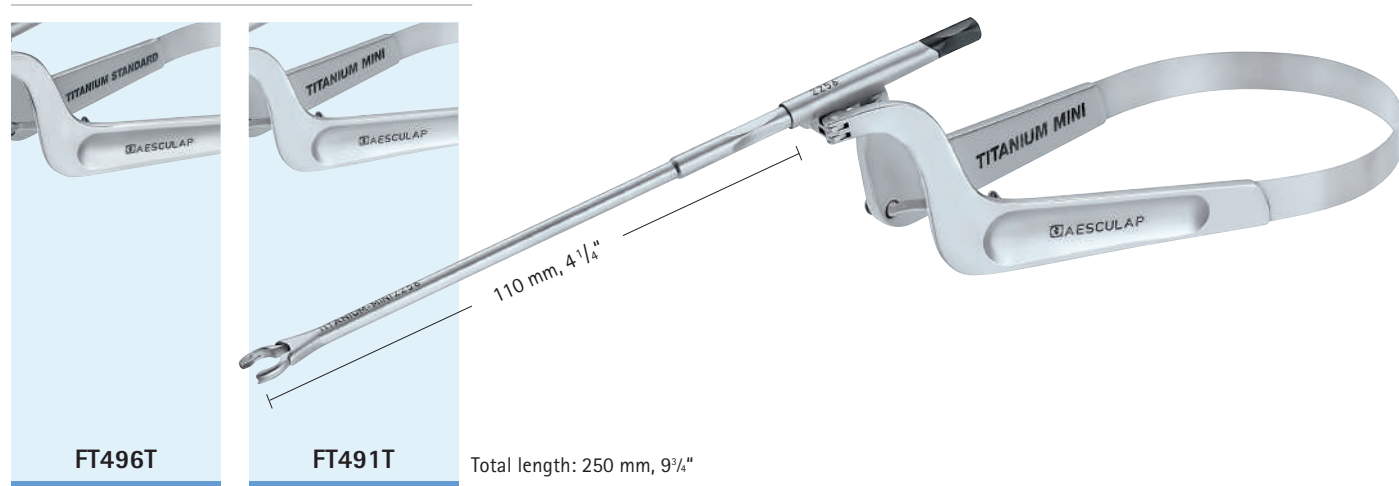
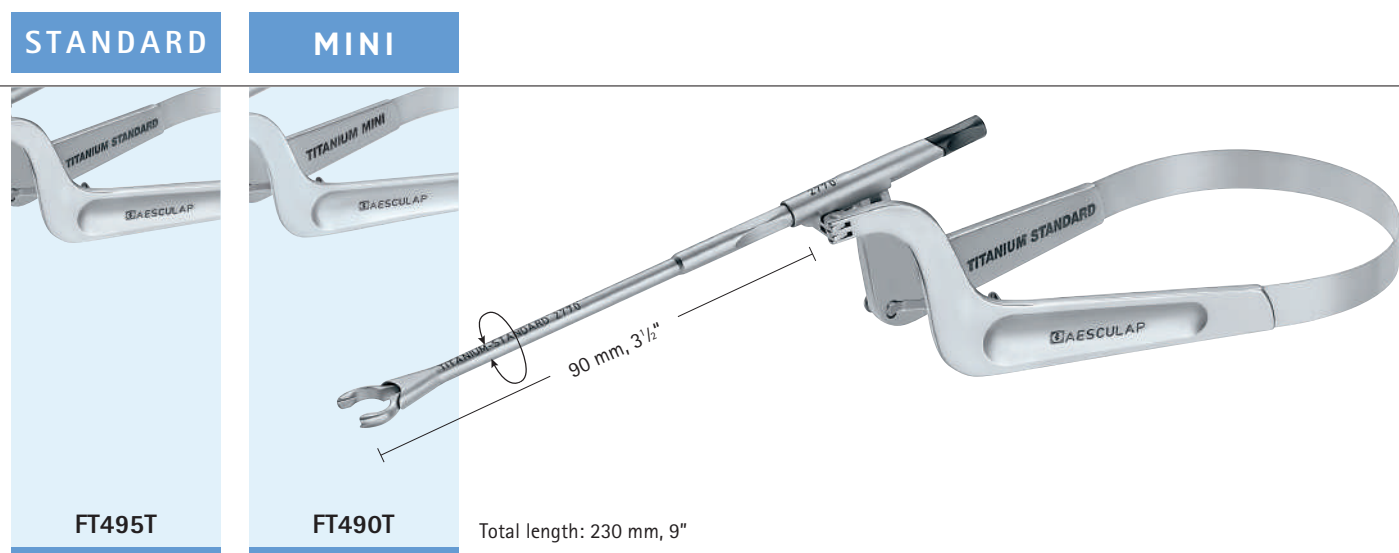
YASARGIL® Aneurysm Clip System

Titanium Vario Clip Applier

APPLIERS FOR TITANIUM CLIPS

STANDARD	MINI
 FT412T	 FT402T
 90 mm, 3 1/2" Total length: 220 mm, 8 3/4"	
 ■ The articulating, adjustable jaw helps provide improved versatility in clip positioning.	
 FT402800	
 ■ Adjusting key for Vario Clip Applier for setting the angle within the jaw.	
Adjusting Key	

XS Clip Applier for Titanium Clips



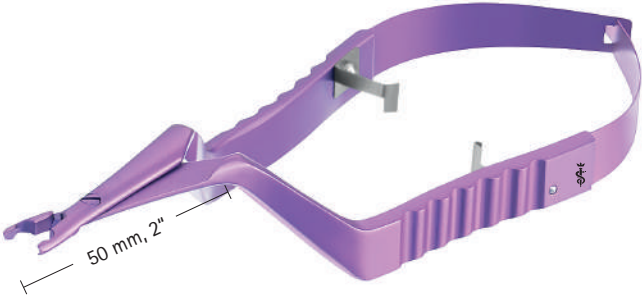
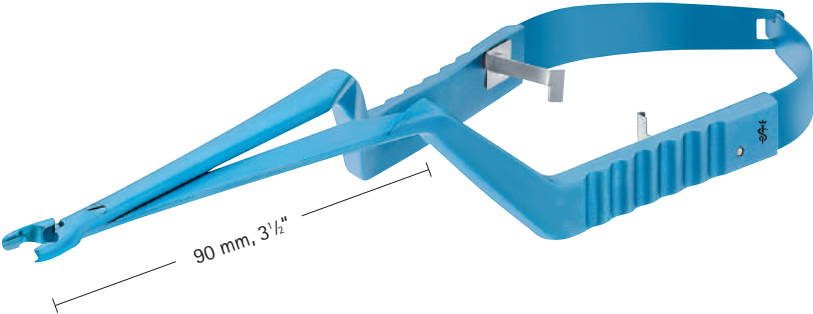
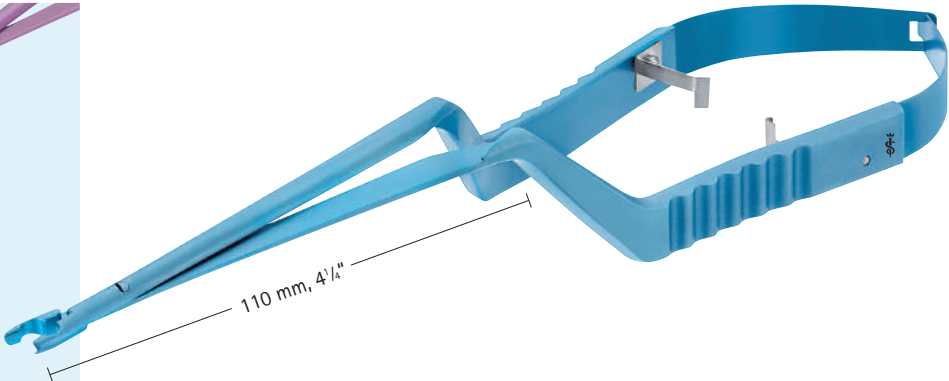
Disassembly

The XS Applier is detachable in two parts for thorough cleaning. A cleaning brush is included with every applier.

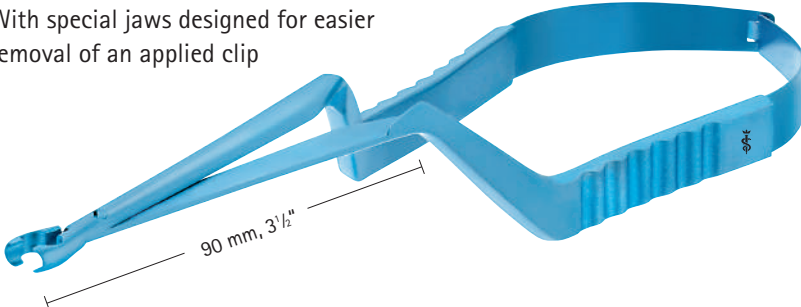
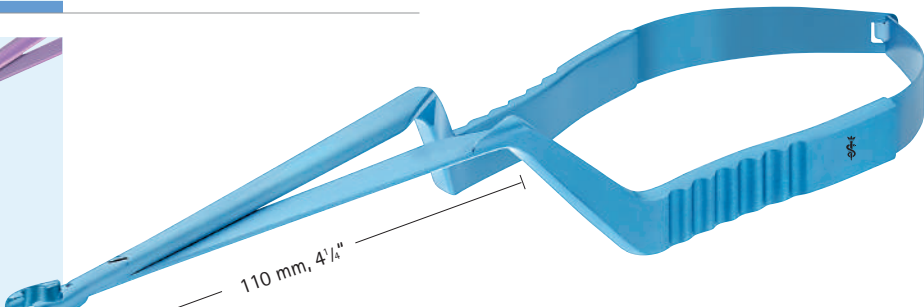
YASARGIL® Aneurysm Clip System

Clip Applier for Titanium Clips

APPLIERS FOR TITANIUM CLIPS

STANDARD	MINI		
			
FT480T	FT470T	 straight	Total length: 180 mm, 7 inch
			
FT482T	FT472T	 straight	
FT485T	FT475T	 15° angled	Total length: 220 mm, 8 3/4 inch
			
FT484T	FT474T	 straight	
FT487T	FT477T	 15° angled	Total length: 250 mm, 9 3/4 inch

Removing Forceps for Titanium Clips

STANDARD	MINI
 FT082T	 FT072T
■ With special jaws designed for easier removal of an applied clip	
 90 mm, 3 1/2" Total length: 220 mm, 8 3/4"	
 FT083T	 FT073T
 110 mm, 4 1/4" Total length: 250 mm, 9 3/4"	

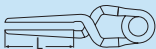
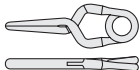
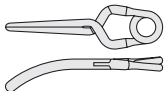
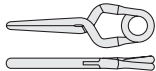
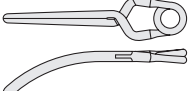
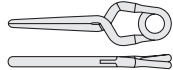
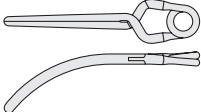
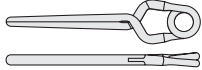
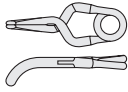
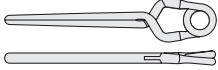
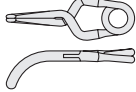
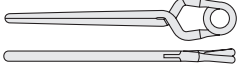
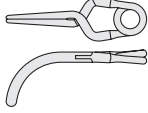
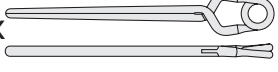
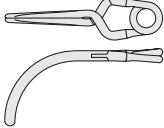
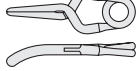
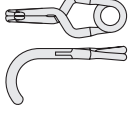
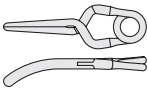
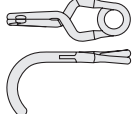
■ Color indicators feature blue for standard and violet for mini

Phynox Clips and Appliers

PHYNOX



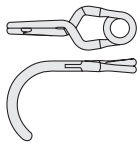
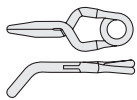
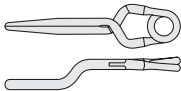
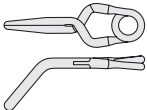
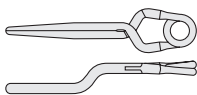
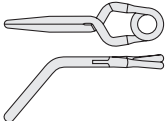
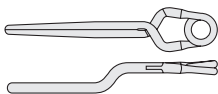
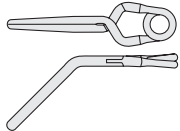
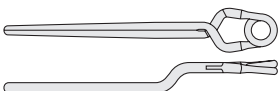
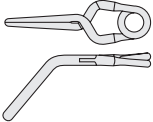
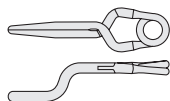
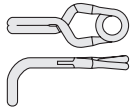
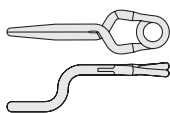
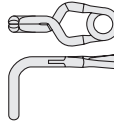
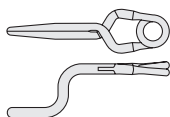
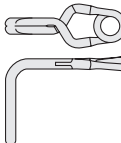
Phynox Standard Clips

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

YASARGIL® Aneurysm Clip System

Phynox Standard Clips

PHYNOX STANDARD

PERMANENT						PERMANENT					
Item No.		Blade length	Maximal opening	Closing force		Item No.		Blade length	Maximal opening	Closing force	
		mm	mm	N	g			mm	mm	N	g
FE825K		10.5	6.2	1.77	180	FE603K		6.1	6.5	1.96	200
FE748K		7.0	7.9	1.96	200	FE613K		8.0	6.2	1.96	200
FE758K		9.0	8.7	1.96	200	FE623K		10.6	7.8	1.96	200
FE759K		12.0	10.2	1.96	200	FE763K		11.8	8.4	1.96	200
FE798K		20.0	13.0	1.77	180	FE810K		9.0	6.5	1.96	200
FE770K		5.0	8.0	1.96	200	FE819K		5.0	5.6	1.96	200
FE771K		5.0	8.0	1.96	200	FE820K		7.0	4.5	1.96	200
FE772K		5.0	8.0	1.96	200	FE822K		10.0	5.6	1.96	200

■ MR Conditional, 3-Tesla or less*

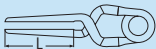
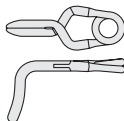
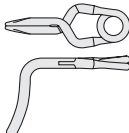
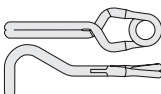
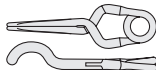
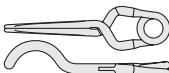
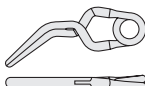
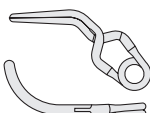
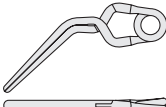
■ Color coding with silver spring and blades (permanent clip)

■ Sterile packaging

* Please refer to the MRI Safety Information section of the Instructions for Use for MR-related safety information.

Phynox Standard Clips

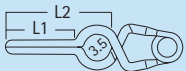
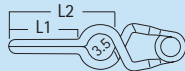
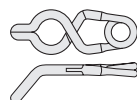
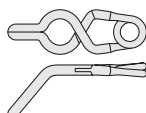
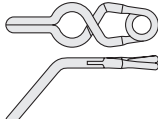
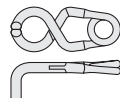
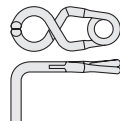
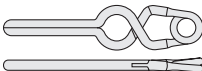
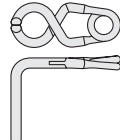
PERMANENT

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

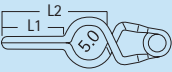
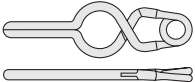
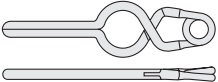
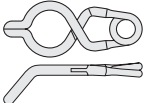
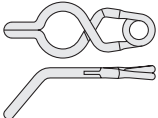
YASARGIL® Aneurysm Clip System

Phynox Standard Clips with Fenestration

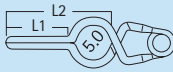
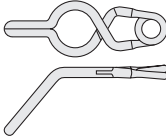
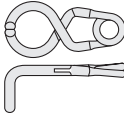
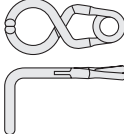
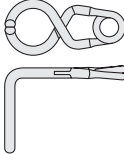
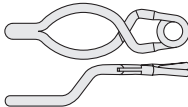
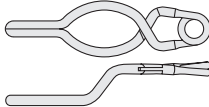
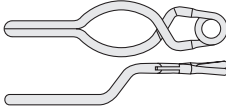
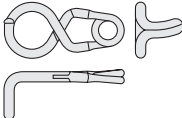
PHYNOX STANDARD

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

PERMANENT

Item No.		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

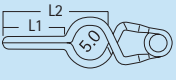
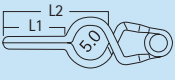
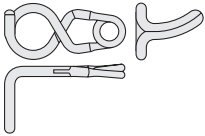
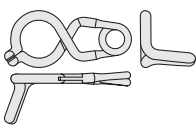
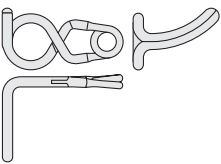
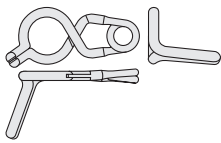
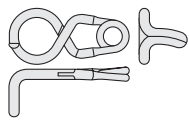
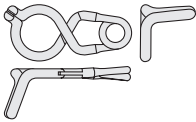
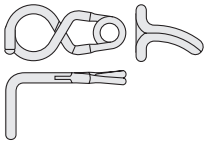
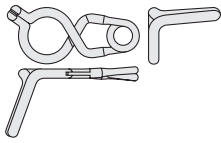
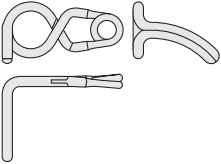
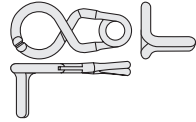
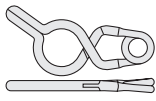
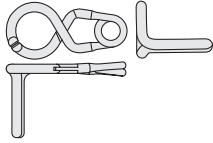
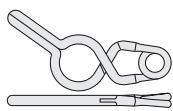
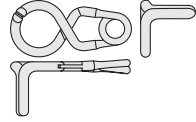
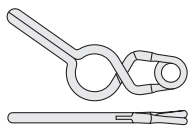
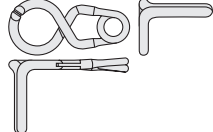
PERMANENT

Item No.		Blade length mm L1/L2	Maximal opening mm	Closing force	
				N	g
FE662K		10/12.2	7.8	1.77	180
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

YASARGIL® Aneurysm Clip System

Phynox Standard Clips with Fenestration

PHYNEX STANDARD

PERMANENT						PERMANENT					
Item No.		Blade length mm L1/L2	Maximal opening mm	Closing force N g		Item No.		Blade length mm L1/L2	Maximal opening mm	Closing force N g	
FE775K		7.5/6.7	5.0	1.47	150	FE886K		5/7.4	5.0	1.47	150
FE776K		10/6.7	5.0	1.47	150	FE887K		7.5/8.1	5.0	1.47	150
FE777K		5/6.7	5.0	1.47	150	FE888K		5/7.4	5.0	1.47	150
FE778K		7.5/6.7	5.0	1.47	150	FE889K		7.5/8.1	5.0	1.47	150
FE779K		10/6.7	5.0	1.47	150	FE891K		5/6.6	5.0	1.47	150
FE881K		5/10.4	7.0	1.47	150	FE892K		7.5/6.6	5.0	1.47	150
FE882K		7.5/12.4	7.8	1.47	150	FE893K		5/6.6	5.0	1.47	150
FE883K		10/14.5	8.8	1.47	150	FE894K		7.5/6.6	5.0	1.47	150

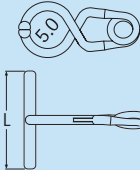
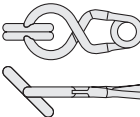
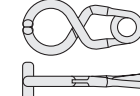
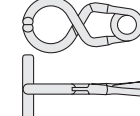
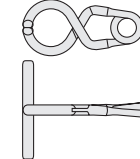
Phynox T-Bar Clips acc. to KOPITNIK, 5.0 mm

Aneurysm clip with a unique design

The blades of the T-Bar Clip are oriented in a 90° or 45° angle to the axis of the spring 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.

PERMANENT

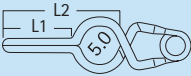
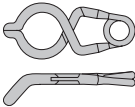
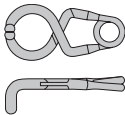
Item No.		Diameter of fenestration 5 mm				
		Blade length mm	Angle	Maximal opening mm	Closing force N g	
FE852K		5.0	45°	5.5	1.47	150
FE853K		9.0	45°	5.5	1.47	150
FE854K		5.0	90°	5.5	1.47	150
FE855K		9.0	90°	5.5	1.47	150
FE856K		13.0	90°	5.5	1.77	180

YASARGIL® Aneurysm Clip System

Ultra-short Fenestrated Clips, 5.0 mm

PHYNEX STANDARD

PERMANENT

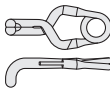
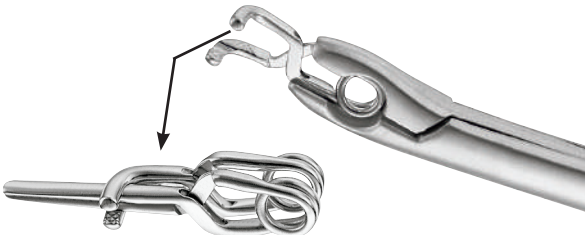
Item No.		Diameter of fenestration 5 mm		
		Blade length mm L1/L2	Maximal opening mm	Closing force N
FE942K		3.0/8.1	6.0	1.47
FE944K		3.0/6.4	5.5	1.47

Phynox Reinforcing Clip

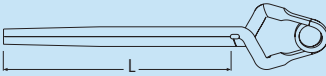
FE900K is intended to be used for increasing the closing force of YASARGIL® Phynox Standard Aneurysm Clips. FE900K is not intended to be used as a stand-alone clip.

PERMANENT

Item No.
FE900K



Phynox Long Clips and Applier

PERMANENT					
Item No.		Blade length mm L1/L2	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 Applier for Long Clips

- With "active" locking mechanism; the applier can be used with or without the lock being activated.



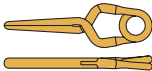
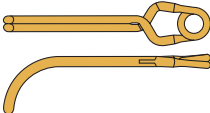
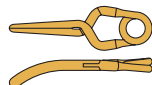
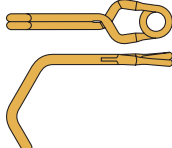
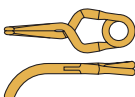
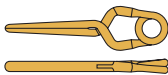
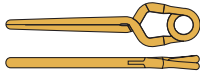
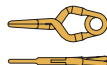
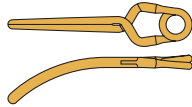
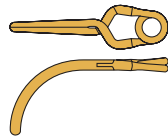
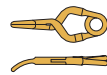
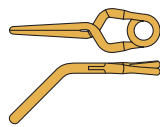
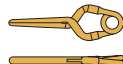
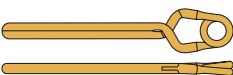
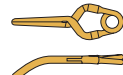
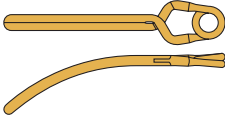
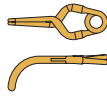
FE560K

Total length: 200 mm, 7 7/8"

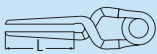
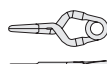
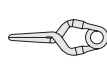
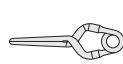
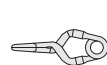
YASARGIL® Aneurysm Clip System

Phynox Standard and Mini Clips

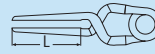
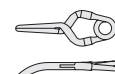
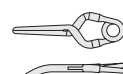
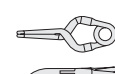
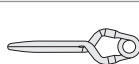
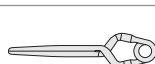
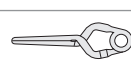
PHYNOX STANDARD AND MINI

TEMPORARY (STANDARD)						TEMPORARY (STANDARD)					
Item No.		Blade length mm L1/L2	Maximal opening mm	Closing force		Item No.		Blade length mm L1/L2	Maximal opening mm	Closing force	
FE751K		9.0	7.0	0.69	70	FE795K		16.8	9.9	0.88	90
FE753K		8.4	6.8	0.69	70	FE801K		13.0	7.5	0.88	90
FE755K		6.7	6.1	0.69	70	TEMPORARY (MINI)					
FE769K		11.0	7.8	0.69	70	FE681K		3.0	3.3	0.49	50
FE781K		15.0	9.2	0.69	70	FE691K		5.0	4.0	0.49	50
FE783K		13.8	8.7	0.69	70	FE683K		2.8	3.2	0.49	50
FE785K		10.4	7.4	0.69	70	FE693K		4.7	3.8	0.49	50
FE756K		9.1	6.2	0.69	70	FE721K		7.0	4.6	0.69	70
FE791K		20.0	11.4	0.88	90	FE723K		6.6	4.4	0.69	70
FE793K		18.7	11.0	0.88	90	FE725K		5.0	4.0	0.69	70

PERMANENT (MINI)

Item No.		Blade length mm L1/L2	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

PERMANENT (MINI)

Item No.		Blade length mm L1/L2	Maximal opening mm	Closing force	
				N	g
FE726K		5.2	4.0	1.08	110
FE722K		6.6	4.4	1.08	110
FE714K		3.9	3.5	1.08	110
FE724K		5.0	4.0	1.08	110
FE716K		5.0	3.5	1.28	130
FE807K		4.7	4.0	1.08	110
FE717K		6.3	6.0	1.28	130
FE727K		4.0	7.0	1.28	130
FE728K		7.0	5.7	1.28	130
FE806K		7.0	4.5	1.28	130

■ MR Conditional, 3-Tesla or less*

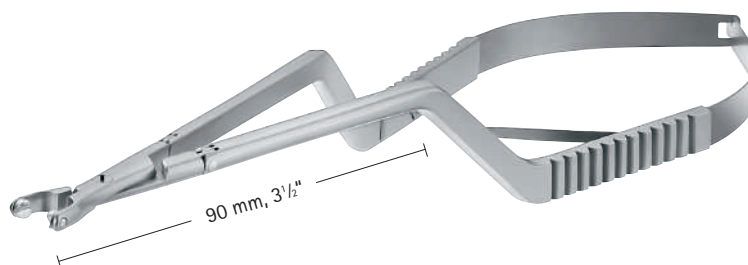
■ Color coding with gold spring and blades (temporary clip) and silver spring and blades (permanent clip)

* Please refer to the MRI Safety Information section of the Instructions for Use for MR-related safety information.

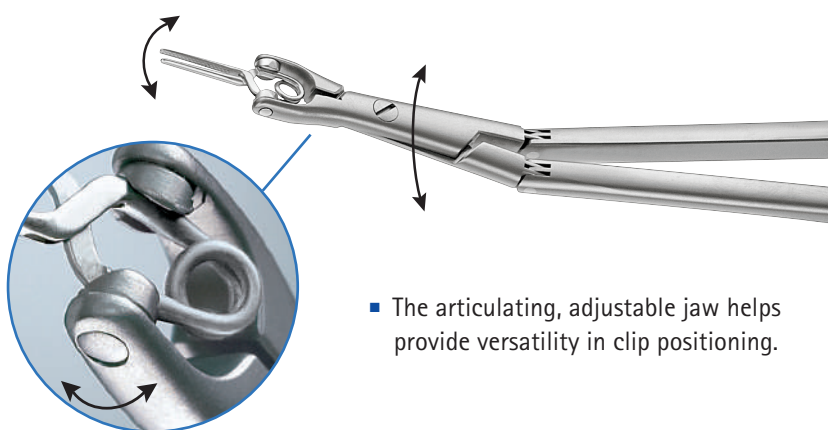
YASARGIL® Aneurysm Clip System

Vario Clip Applier for Phynox Clips

	STANDARD	MINI
CLIPS FOR PHYNOX CLIPS	For AESCULAP YASARGIL STANDARD - Phynox-Clips only FE512T	For AESCULAP YASARGIL MINI - Phynox-Clips only FE502T



Total length: 220 mm, 8³/₄"



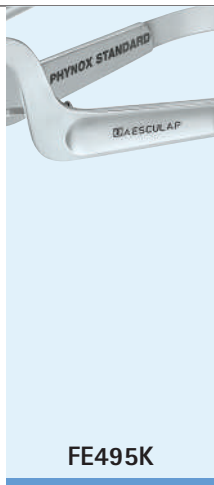
- The articulating, adjustable jaw helps provide versatility in clip positioning.
- 
- A close-up photograph of the articulating, adjustable jaw of the Vario Clip Applier. The black handle features the text 'MINI STANDARD' in white. The joint is shown in a bent position, demonstrating its flexibility. The silver-colored handle is visible on the right side of the joint.

- Distinction between standard and mini appliers through label on the spring

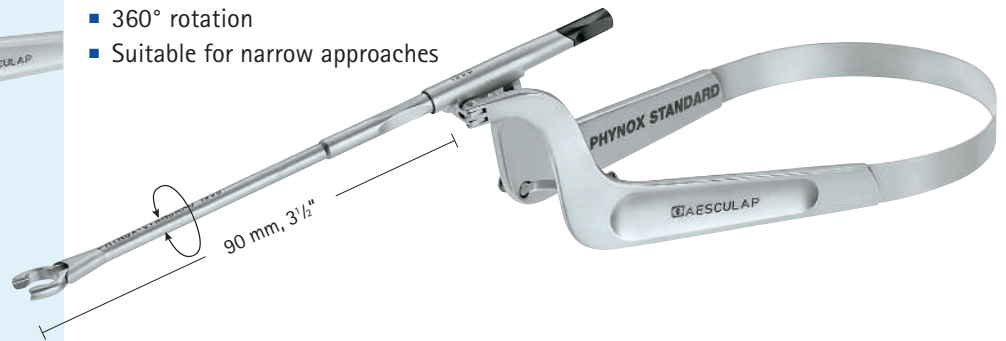
XS Clip Applier for Phynox Clips

STANDARD

MINI



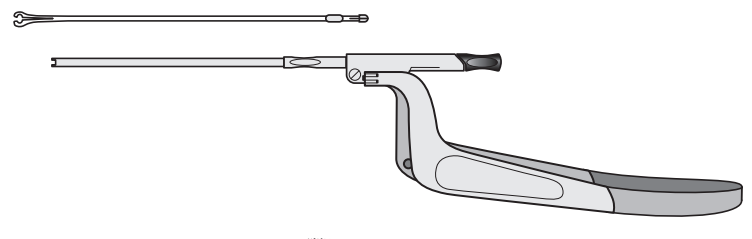
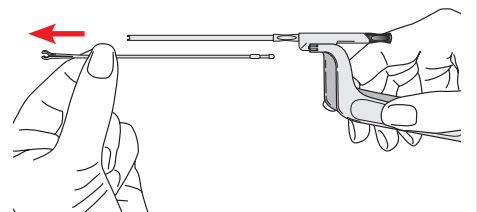
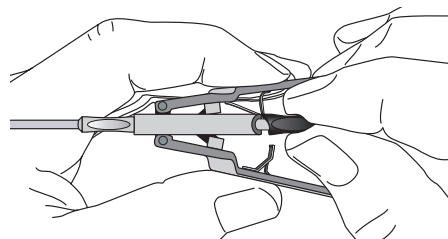
- 360° rotation
- Suitable for narrow approaches



Disassembly

The XS Applier is detachable in two parts for thorough cleaning.

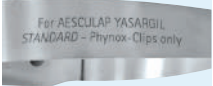
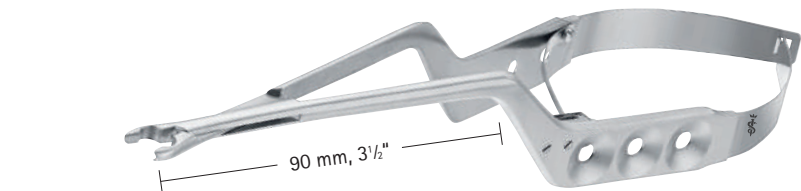
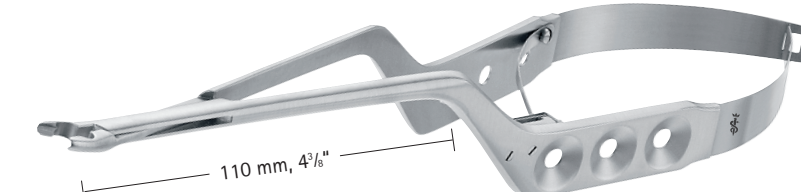
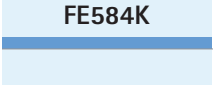
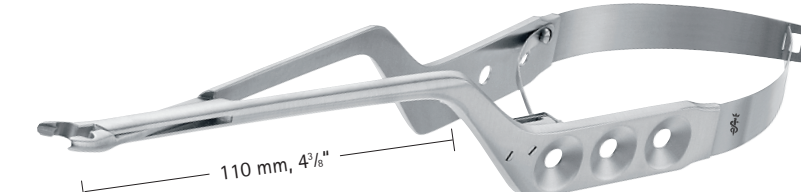
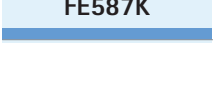
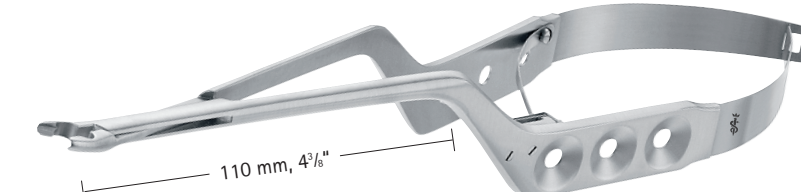
A cleaning brush is included with every applier.



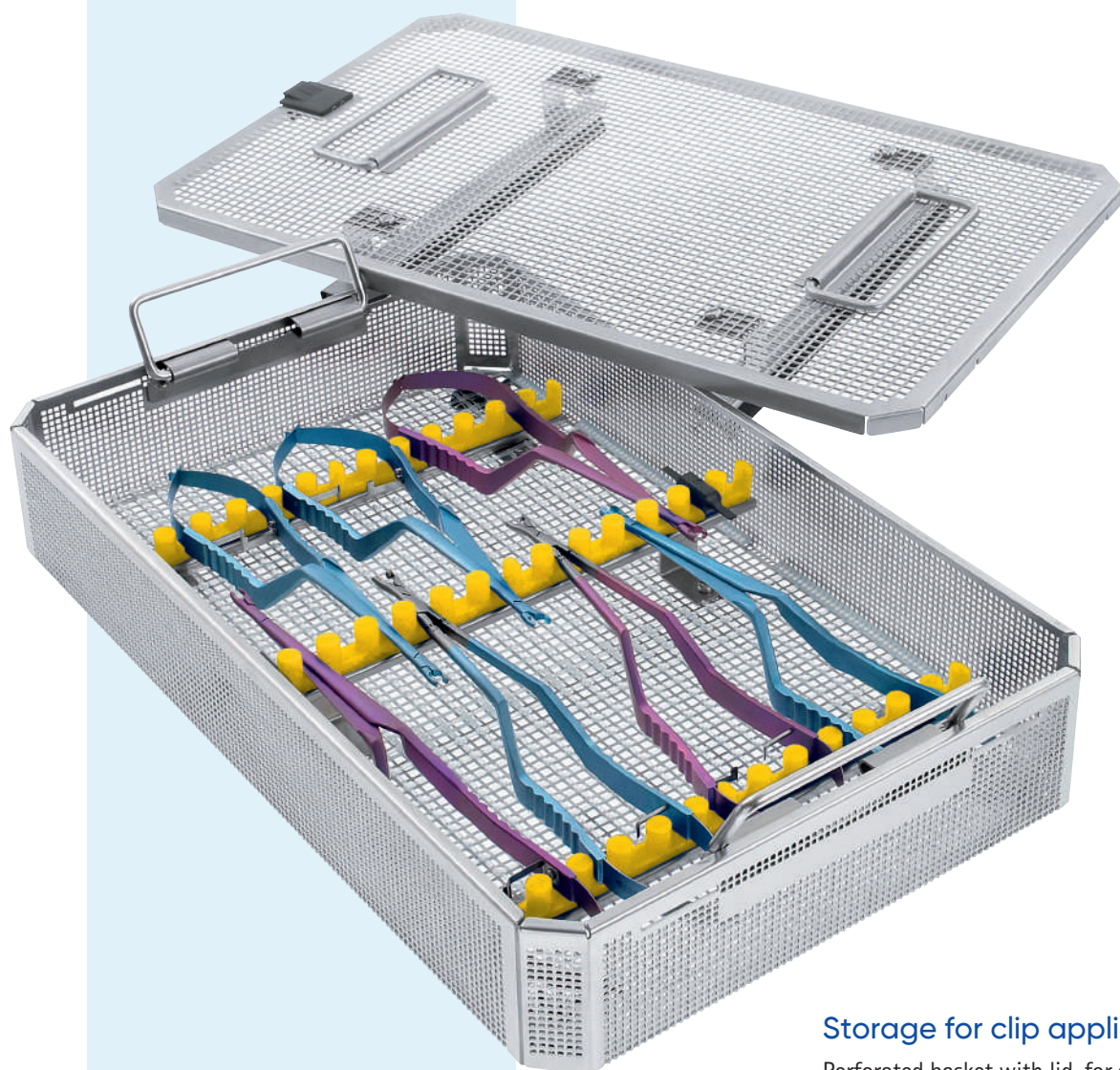
■ Standard and mini clip identifiers are located on the label inside the handle

YASARGIL® Aneurysm Clip System

Clip Applier for Phynox Clips

STANDARD		MINI			
					straight Total length: 180 mm, 7"
		FE558K	FE548K		
					straight Total length: 175 mm, 6 7/8"
		FE580K	FE570K		
					straight
		FE582K	FE572K		
					15° angled Total length: 215 mm, 8 1/2"
		FE585K	FE575K		
					straight
		FE584K	FE574K		
					15° angled Total length: 215 mm, 8 1/2"
		FE587K	FE577K		

FM665R



Storage for clip applicators

Perforated basket with lid, for storage of clip applicators

STORAGE AND ACCESSORIES

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- ## STORAGE AND ACCESSORIES

Identification Tags



For each clip arrangement, a corresponding tag is available. The identification tags contain the item number, blade length, spring size and an actual-size image of each clip.

Tags have the same color coding as the YASARGIL Aneurysm Clips. Tags for temporary clips are yellow, and tags for permanent clips are grey.

The article numbers of the identification tags are made up of the clip article number plus the suffix "-ID".
Example: FT750T-ID.



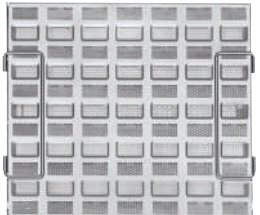
Identification Labels



The identification labels allow for an individual marking of the trays.

They are available in different colors and with or without lettering.



CLIP TRAY – Item No.	Description	Size
FT008R	 Aneurysm Clip Tray – Small	241.5 x 125 x 37.8 mm
FT009R	 Aneurysm Clip Tray – Large	241.5 x 236.7 x 37.8 mm

SEPARATORS – Item No.	Description
FT008205	 Separator short for Aneurysm Clip Tray – Small (FT008R)
FT009205	 Separator for Aneurysm Clip Tray – Large (FT009R)

Kopitnik AVM Micro Clip System

AVM MICRO CLIP SYSTEM



For the treatment of arteriovenous malformations.

Micro Clips

Sterile AVM Micro Clips straight, closing force between 50 g and 70 g				Sterile AVM Micro Clips curved, closing force between 50 g and 70 g			
Blade Length	Max. Opening Width	Single Pack		Blade Length	Max. Opening Width	Single Pack	
2 mm, 1/13"	1.5 mm, 1/17"	FE952K		2 mm, 1/13"	1.5 mm, 1/17"	FE962K	
3 mm, 1/8"	1.7 mm, 1/15"	FE953K		3 mm, 1/8"	1.7 mm, 1/15"	FE963K	
4 mm, 1/6"	2.0 mm, 1/13"	FE954K		4 mm, 1/6"	2.0 mm, 1/13"	FE964K	
5 mm, 1/5"	2.3 mm, 1/11"	FE955K		5 mm, 1/5"	2.3 mm, 1/11"	FE965K	

Note: 1 pack sterile, straight and curved

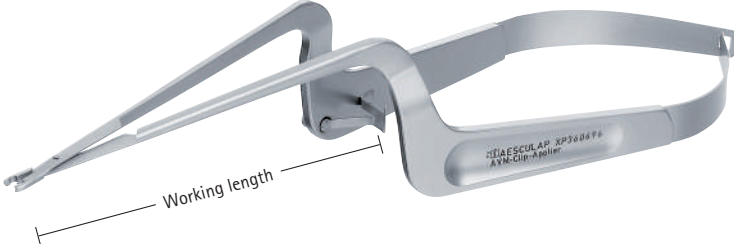


Packaging with 1 Sterile AVM Micro Clip

Indications for Use:
 The Aesculap AVM Microclips are intended for intracranial vascular occlusion (permanent or temporary) of small vessels. The Aesculap AVM Microclip Applier is intended for holding and applying intracranial AVM Microclips. See Instructions for Use for additional information including Warnings and Precautions.
 Rx Only.

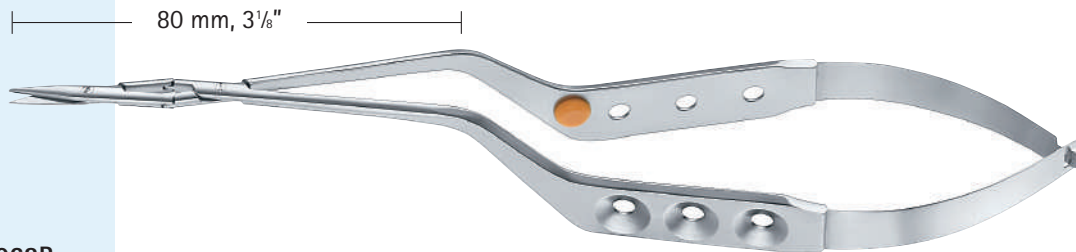
AVM Micro System

Micro Clip Applier

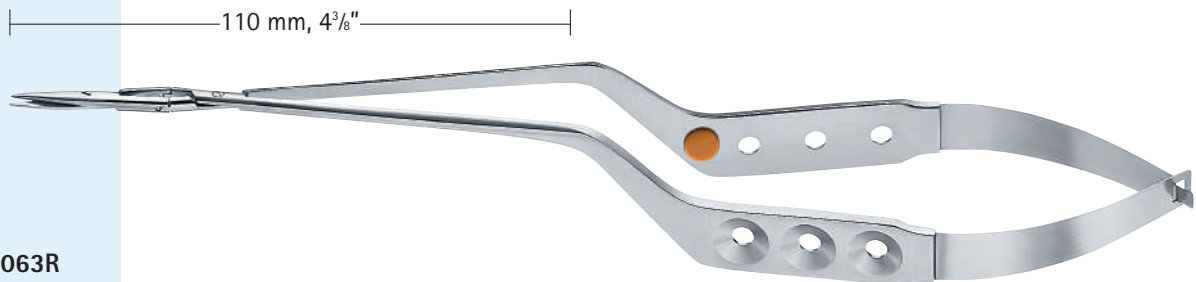
STANDARD	
AVM MICRO CLIP SYSTEM	XS - Design 
	FE907K Working length: 70 mm, 2³/₄"
	FE908K Working length: 90 mm, 3¹/₂"
	FE909K Working length: 110 mm, 4¹/₂"
	
	FE917K Working length: 70 mm, 2³/₄"
	FE918K Working length: 90 mm, 3¹/₂"

Micro Coil Scissors

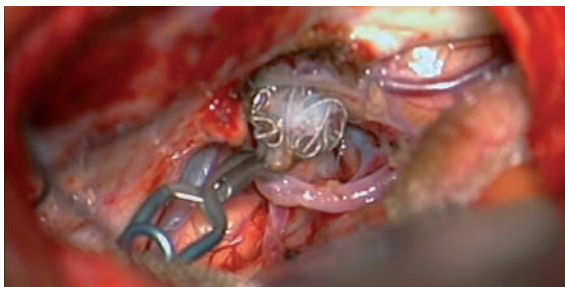
STANDARD



FD062R



FD063R



Developed in co-operation with:
Dr. Thomas A. Kopitnik, Jr.
Central Wyoming Neurosurgery
Casper, Wyoming, USA

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



Through collaborative
excellence we will improve the
quality of a patient's life and
meet the needs of the changing
healthcare environment.

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Aesculap, Inc. | 3773 Corporate Parkway | Center Valley, PA | 18034
Phone 800-282-9000 | Fax 610-791-6886 | www.aesculapusa.com

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