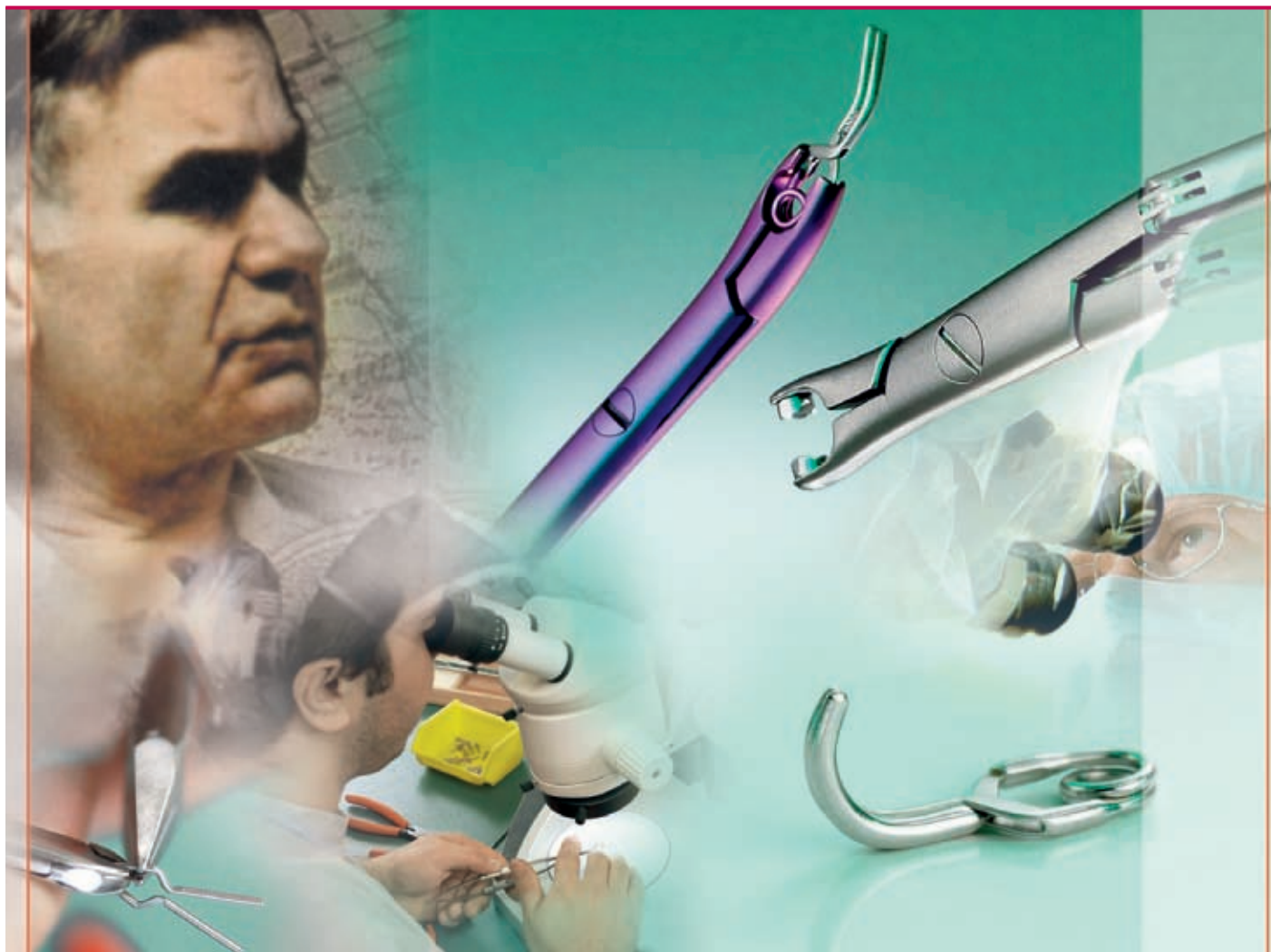


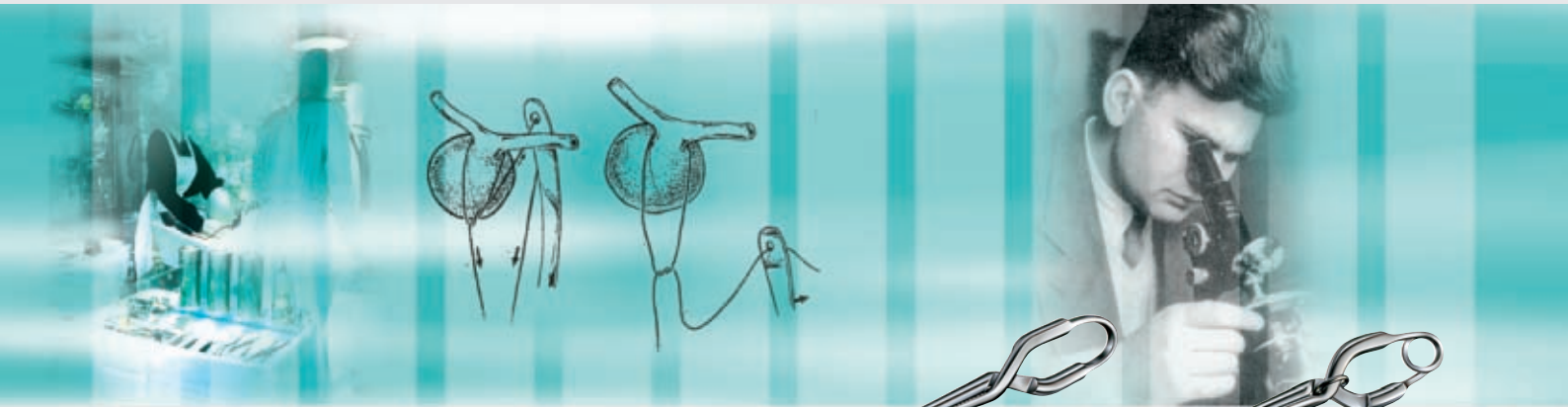
# Aesculap Neurosurgery

## YASARGIL Aneurysm Clip System

From experienced hands...



...for experienced hands!



**1855**

- Victor Horsley treats an aneurysm using carotid ligation

**1937**

- Dandy uses a clip made from bent silver wire for the first time to trap an aneurysm

**1968**

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

**1970**

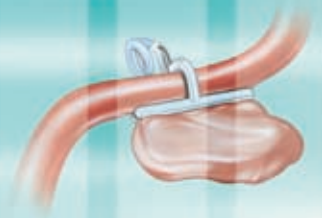
- Yasargil Aneurysm Clip with 1.5 spring coil and safety ring to optimize closing force and stability

## 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?

Decades of intensive cooperation with leading neurosurgeons all over the world form the foundation for Aesculap's technical and scientific experience. Experience that is reflected as much in the Yasargil Aneurysm Clips themselves as in their accompanying instruments and accessories. It is the guarantee for maximum manufacturing precision, particular care and reliability, with the aim of providing the best possible patient treatment.

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



1983

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



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 Applying Forceps 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

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

Through continuous further development of the Yasargil Aneurysm Clip system, Aesculap is committed to ensuring that the best implants and instruments are always available for this treatment.





● A simple piece of wire...

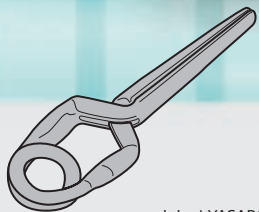
● ... becomes, thanks to advanced high technology and qualified manual work,...

## Our striving for perfection is your safeguard

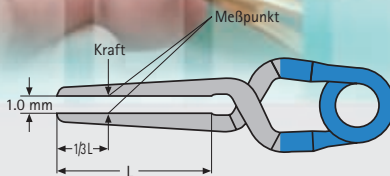
Yasargil Aneurysm Clips are the most sensitive implants in the Aesculap product spectrum. The tiniest quality deviation or failure can have fatal consequences. For this reason, all the production processes for the Yasargil Aneurysm Clips take place exclusively within Aesculap in Tuttlingen, Germany,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

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

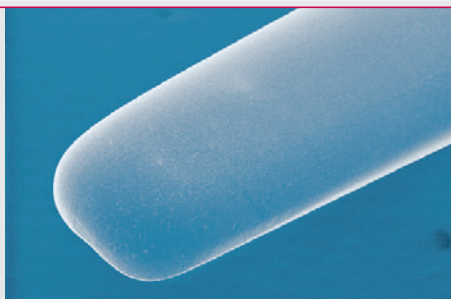
Despite the high technology and mechanization, it is only possible to achieve the required accuracy within tolerance and the necessary variability manually in the hands of highly qualified production engineers. Decades of experience flow into the continuous improvement of every single manufacturing operation.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



• ... an original YASARGIL Aneurysm Clip!



• Made in Germany  
Made by Aesculap



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

## 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)?



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



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

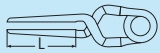










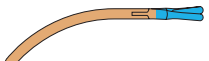


# Titanium Standard Clips

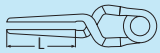













- MRI safety, non-ferromagnetic, tested up to 3 Tesla
- minor artifacts in CT and MRI
- colour coding with blue spring (standard clip) and golden or silver blades (temporary or permanent clip respectively)
- sterile packaging

## TEMPORARY

## PERMANENT

TITANIUM STANDARD

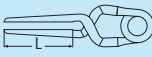
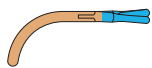
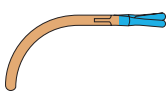
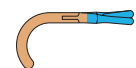
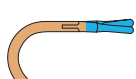
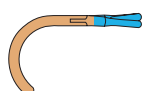
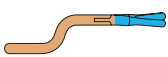


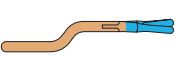

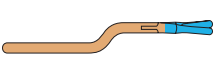

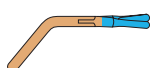
Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FT240T		7.0	6.2	1.08	110
FT250T		9.0	7.0	0.88	90
FT260T		11.0	7.8	0.88	90
FT280T		15.0	9.2	0.88	90
FT292T		17.5	10.6	0.88	90
FT290T		20.0	11.4	1.08	110
FT242T		6.5	6.0	1.08	110
FT252T		8.3	6.8	0.88	90
FT262T		10.2	7.5	0.88	90
FT282T		13.7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

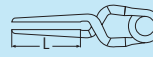
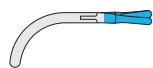
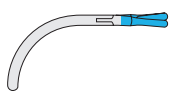
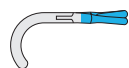
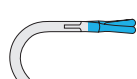
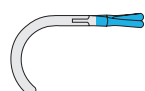







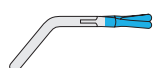
Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FT740T		7.0	6.2	1.47	150
FT750T		9.0	7.0	1.77	180
FT760T		11.0	7.8	1.77	180
FT780D		15.0	9.2	1.96	200
FT792D		17.5	10.6	1.96	200
FT790D		20.0	11.4	1.96	200
FT742T		6.5	6.0	1.47	150
FT752T		8.3	6.8	1.77	180
FT762T		10.2	7.5	1.77	180
FT782T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

## PERMANENT


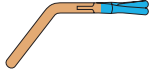
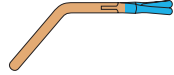
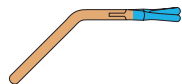
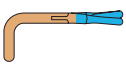
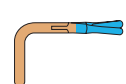
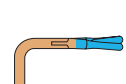
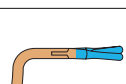
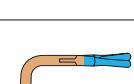


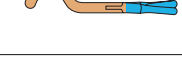
Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FT264T		8.0	6.5	1.08	110
FT284T		10.3	7.4	1.08	110
FT323T		7.4	5.4	1.08	110
FT324T		8.4	5.8	1.08	110
FT325T		10.5	6.2	1.08	110
	Height of step 2.5 mm				
FT270T		5.0	8.0	1.08	110
	Height of step 3.5 mm				
FT271T		5.0	8.0	1.08	110
	Height 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




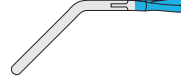
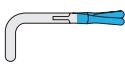
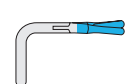
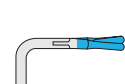
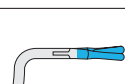
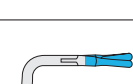
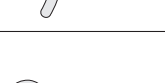

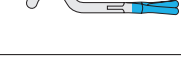
Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FT764T		8.0	6.5	1.77	180
FT784T		10.3	7.4	1.96	200
FT823T		7.4	5.4	1.77	180
FT824T		8.4	5.8	1.77	180
FT825T		10.5	6.2	1.77	180
	Height of step 2.5 mm				
FT770T		5.0	8.0	1.96	200
	Height of step 3.5 mm				
FT771T		5.0	8.0	1.96	200
	Height 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 Clips

## TEMPORARY

## PERMANENT

Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FT310T		9.0	6.5	1.08	110
FT123T		10.6	7.8	1.08	110
FT263T		11.8	8.4	1.08	110
FT319T		5.0	5.6	1.28	130
FT320T		7.0	4.5	1.28	130
FT322T		10.0	5.6	1.28	130
FT350T		6.7	5.4	1.28	130
FT351T		9.0	5.6	1.28	130
FT330T		7.0	7.2	0.88	90
FT332T		9.3	7.2	0.88	90
FT333T		11.3	8.2	0.88	90

Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FT810T		9.0	6.5	1.96	200
FT623T		10.6	7.8	1.96	200
FT763T		11.8	8.4	1.67	170
FT819T		5.0	5.6	1.96	200
FT820T		7.0	4.5	1.96	200
FT822T		10.0	5.6	1.96	200
FT850T		6.7	5.4	1.96	200
FT851T		9.0	5.6	1.96	200
FT830T		7.0	7.2	1.96	200
FT832T		9.3	7.2	1.96	200
FT833T		11.3	8.2	1.96	200





## TEMPORARY

## PERMANENT

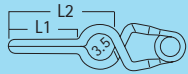
Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FT246T		7.0	5.7	0.88	90
FT273T		7.8	5.3	0.88	90
FT261T		11.4	8.0	0.88	90
FT247T		8.6	7.0	0.88	90

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

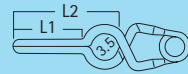
# Titanium Fenestrated Clips

## TEMPORARY

## PERMANENT



Diameter of fenestration 3.5 mm



Diameter of fenestration 3.5 mm

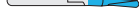
Cat. No.

Blade length mm    Maximal opening mm    Closing force N    g

Cat. No.

Blade length mm    Maximal opening mm    Closing force N    g

FT097T  3/8.1    7.5    1.08    110

FT597T  3/8.1    7.5    1.47    150

FT098T  4/9.1    7.4    1.08    110

FT598T  4/9.1    7.4    1.47    150

FT099T  5/10.1    7.4    1.08    110

FT599T  5/10.1    7.4    1.47    150

FT100T  6/11.1    7.4    1.08    110


FT600T  6/11.1    7.4    1.47    150

FT110T  9/14.1    8.4    1.08    110

FT610T  9/14.1    8.4    1.47    150

FT120T  12/17    9.6    1.08    110

FT620T  12/17    9.6    1.77    180

FT102T  5/7.8    5.8    1.08    110

FT602T  5/7.8    5.8    1.47    150

FT112T  7.5/9.4    6.5    1.08    110

FT612T  7.5/9.4    6.5    1.47    150

FT122T  10/11    7.2    1.08    110

FT622T  10/11    7.2    1.77    180

FT104T  5/5.1    4.9    1.08    110

FT604T  5/5.1    4.9    1.47    150

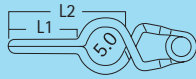
FT114T  7.5/5.1    4.9    1.08    110

FT614T  7.5/5.1    4.9    1.47    150



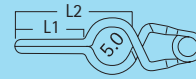
## TEMPORARY

## PERMANENT



Diameter of fenestration 5 mm

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



Diameter of fenestration 5 mm

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

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

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

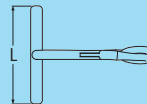
# Titanium T-Bar Clips

## PERMANENT



Diameter of fenestration 5 mm

Cat. No.



Blade length  
mm

Angle

Maximal  
opening mm

Closing force  
N g

### Aneurysm Clip with a unique design

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

FT852T



5.0

45°

5.5

1.47

150

FT853T



9.0

45°

5.5

1.47

150

FT854T



5.0

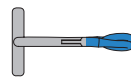
90°

5.5

1.47

150

FT855T



9.0

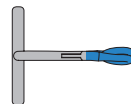
90°

5.5

1.47

150

FT856T



13.0

90°

5.5

1.77

180



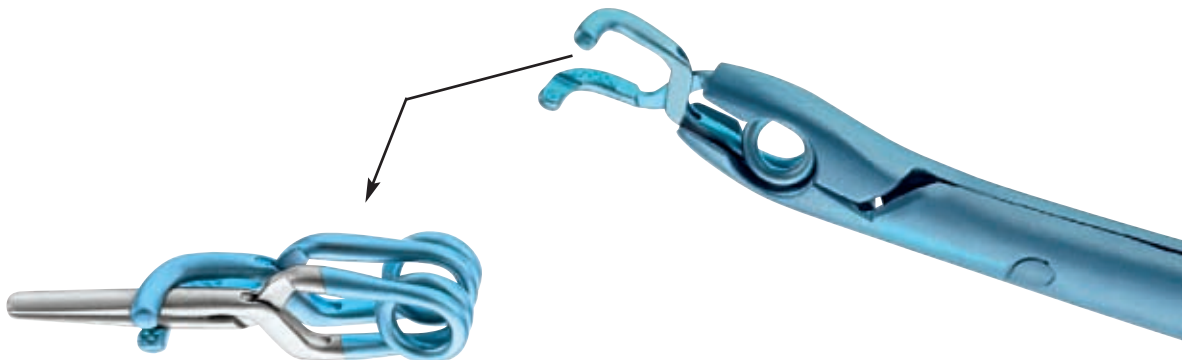
# Titanium Reinforcing Clip

PERMANENT

Cat. No.

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

FT900T



TITANIUM STANDARD

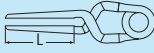



























# Titan Mini Clips

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

## TEMPORARY

## PERMANENT

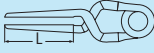


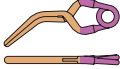
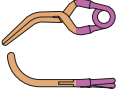
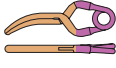


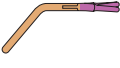
TITANIUM MINI

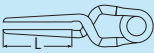



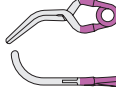



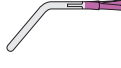
Cat. No.		Blade length mm	Maximal opening mm	Closing force N g		Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FT180T		3.0	3.3	0.88	90	FT680T		3.0	3.3	1.08	110
FT190T		5.0	4.0	0.69	70	FT690T		5.0	4.0	1.08	110
FT200T		3.0	3.3	0.88	90	FT700T		3.0	3.3	1.08	110
FT210T		5.0	4.0	0.69	70	FT710T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



## TEMPORARY

## PERMANENT

Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FT214T		3.9	3.5	0.78	80
FT224T		5.0	4.0	0.69	70
FT216T		5.0	3.5	0.69	70
FT307T		4.7	4.0	0.69	70
FT217T		6.3	6.0	0.69	70
FT227T		4.0	7.0	0.69	70
FT228T		7.0	5.7	0.69	70
FT306T		7.0	4.5	0.69	70

Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FT714T		3.9	3.5	1.08	110
FT724T		5.0	4.0	1.08	110
FT716T		5.0	3.5	1.08	110
FT807T		4.7	4.0	1.08	110
FT717T		6.3	6.0	1.08	110
FT727T		4.0	7.0	1.08	110
FT728D		7.0	5.7	1.08	110
FT806T		7.0	4.5	1.08	110

TITANIUM MINI

# Titanium Applying Forceps

Standard

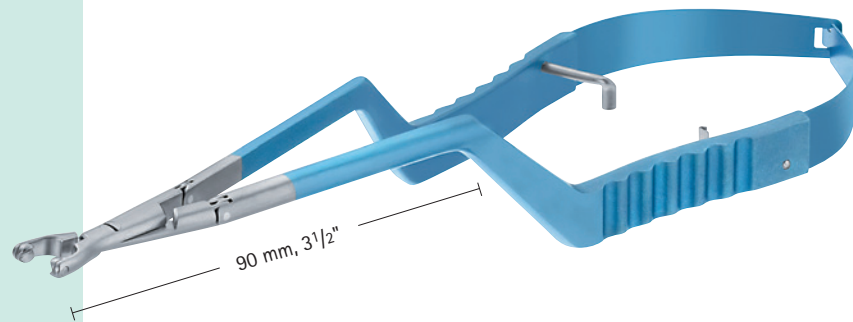
Mini

Vario Clip Applier

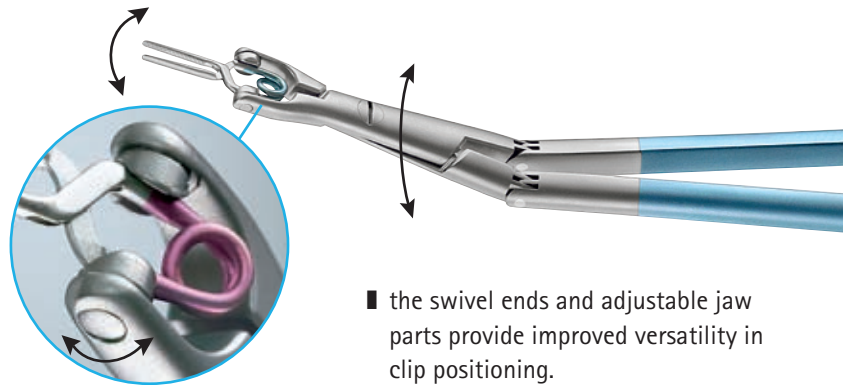
TITANIUM APPLYING FORCEPS

FT412T

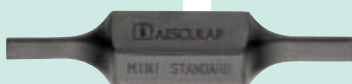
FT402T



220 mm, 8 3/4"



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



FT402/800

Adjusting Key



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





Standard

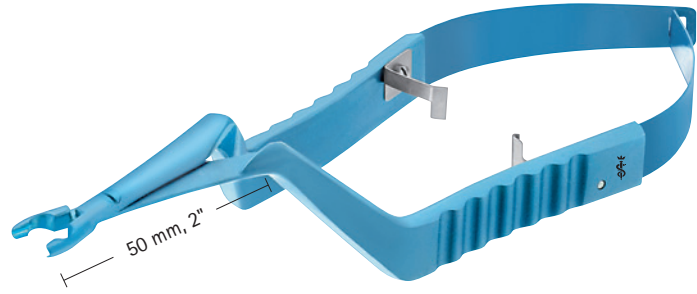
Mini

YASARGIL Clip Applier

TITANIUM APPLYING FORCEPS

FT480T

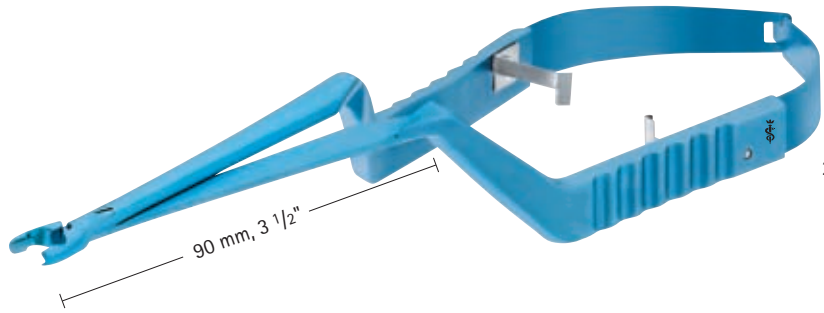
FT470T



180 mm, 7"

FT482T

FT472T



220 mm, 8"



straight

FT485T

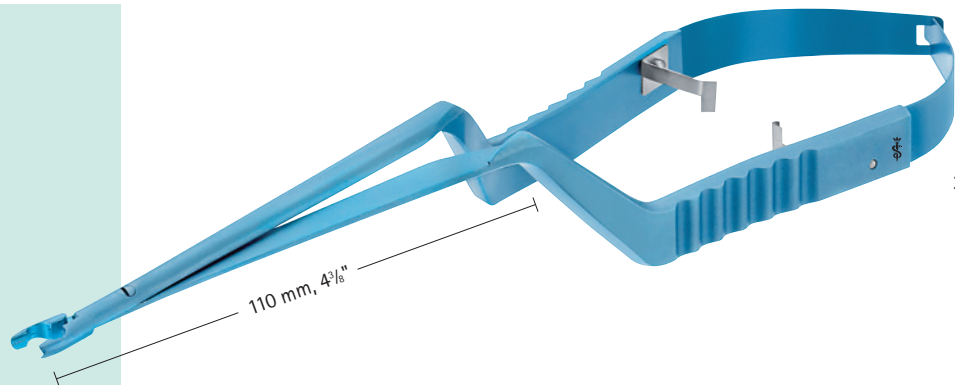
FT475T



15° angled

FT484T

FT474T



250 mm, 9"



straight

FT487T

FT477T



15° angled

# Titanium Applying Forceps

TITANIUM APPLYING FORCEPS

Standard

Mini

XS Applier

- 360° rotation
- suitable for narrow approach

FT495T

FT490T



FT496T

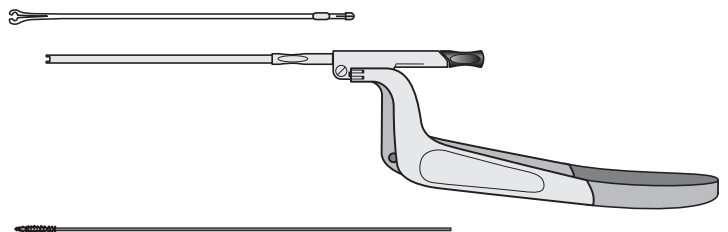
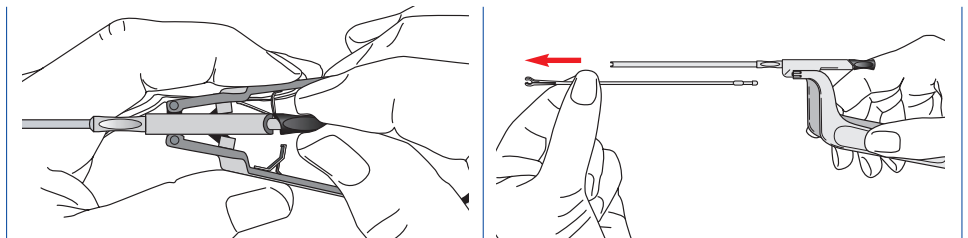
FT491T



## Disassembly

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

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



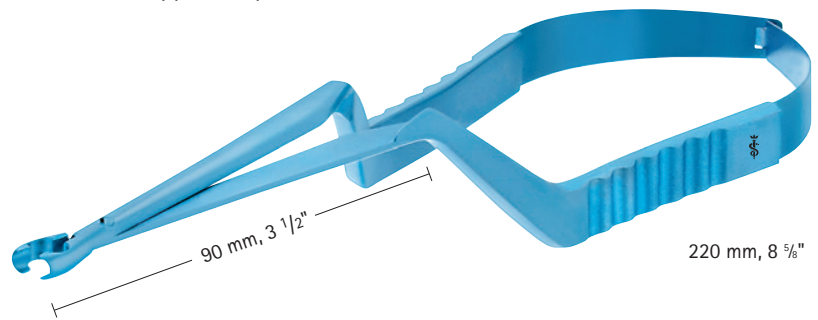


Standard

Mini

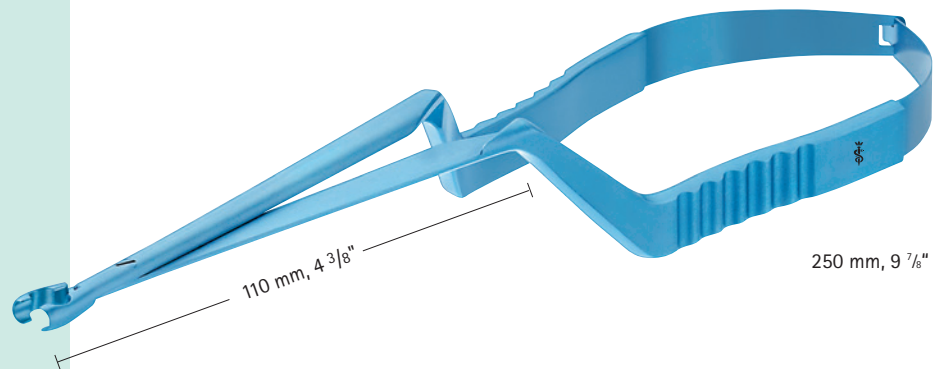
## YASARGIL Removing Forceps

- with special jaws for safe removal of an applied clip



FT082T

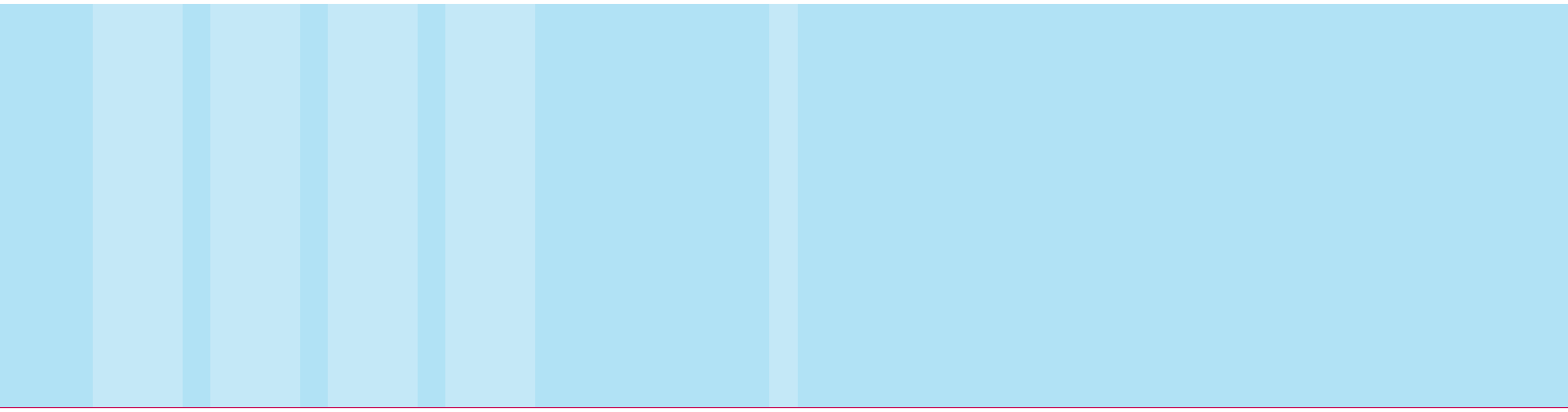
FT072T



FT083T

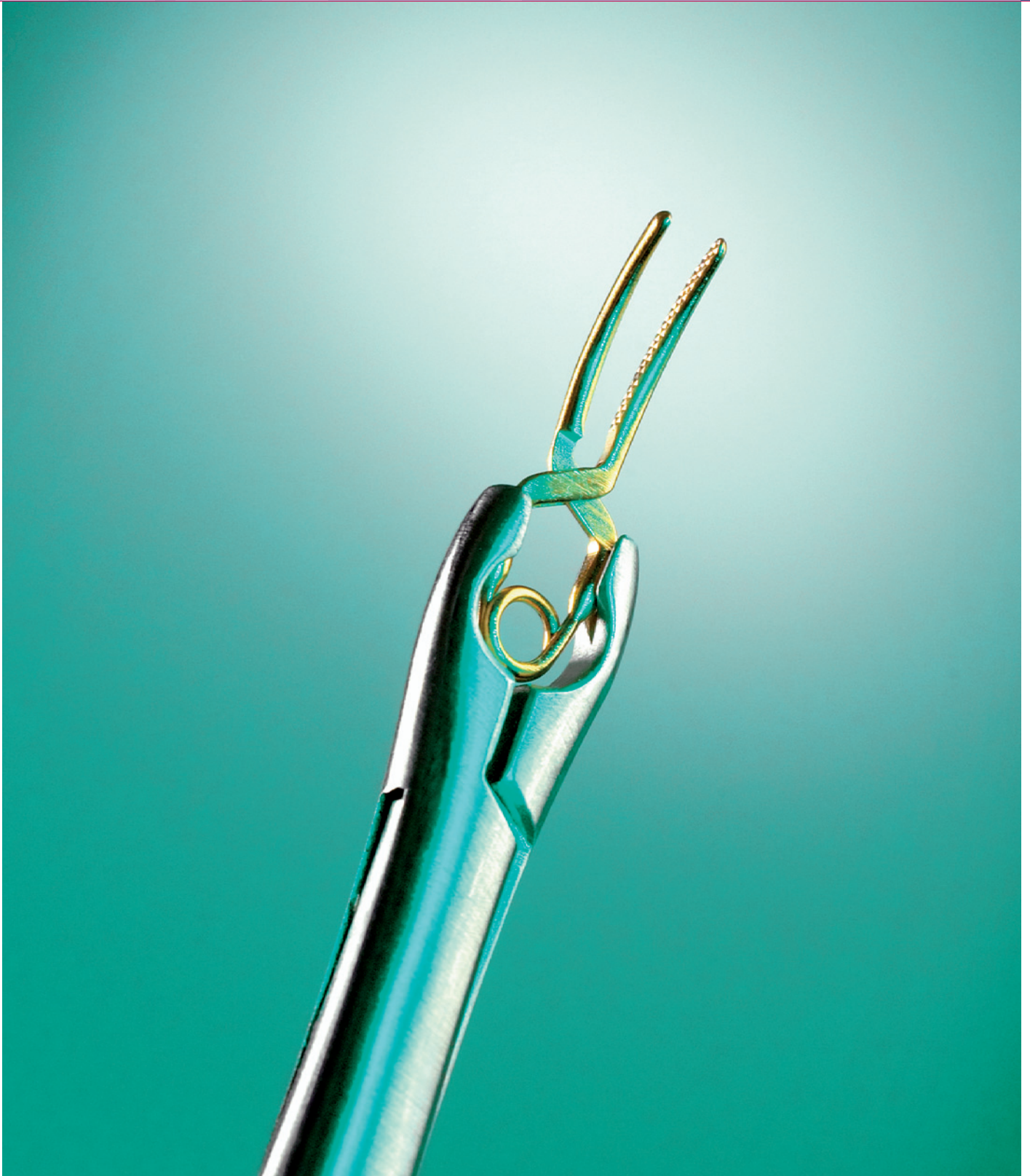
FT073T

TITANIUM APPLYING FORCEPS





# YASARGIL Phynox Clips and Applying Forceps



PHYNOX CLIPS

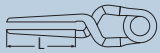













# Phynox Standard Clips



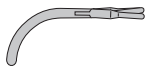

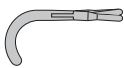
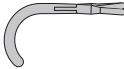








- MRI safety, non-ferromagnetic, tested up to 3 Tesla
- colour coding with silver spring and blades (permanent clip)
- sterile packaging

## PERMANENT

## PERMANENT

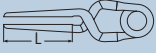

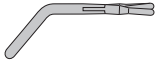
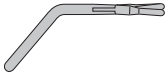
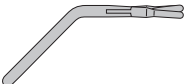

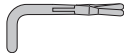
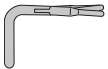
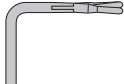
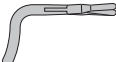

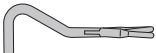


PHYNOX STANDARD

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

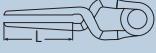
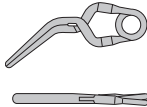
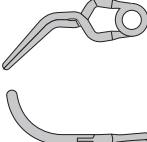
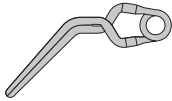
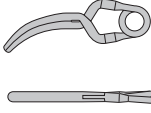
Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FE754K		6.4	6.1	1.77	180
FE764K		8.0	6.5	1.77	180
FE784K		10.3	7.4	1.96	200
FE823K		7.4	5.4	1.77	180
FE824K		8.4	5.8	1.77	180
FE825K		10.5	6.2	1.77	180
FE748K		7.0	7.9	1.96	200
FE758K		9.0	8.7	1.96	200
FE759K		12.0	10.2	1.96	200
FE798K		20.0	13.0	1.77	180
FE770K		5.0	8.0	1.96	200
FE771K		5.0	8.0	1.96	200
FE772K		5.0	8.0	1.96	200



## PERMANENT

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

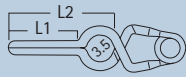
## PERMANENT

Cat. No.		Blade length mm	Maximal opening mm	Closing Force N g	
FE746K		7.0	5.7	1.96	200
FE773K		7.8	6.5	1.77	180
FE761K		11.4	8.0	1.96	200
FE747K		8.6	7.0	1.77	180

# Phynox Fenestrated Clips

PERMANENT

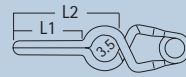
PERMANENT



Diameter of fenestration 3.5 mm

Cat. No.

Blade length mm    Maximal opening mm    Closing force N    g



Diameter of fenestration 3.5 mm

Cat. No.

Blade length mm    Maximal opening mm    Closing force N    g

PHYNOX STANDARD

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

PERMANENT



Diameter of fenestration 5 mm

Cat. No.

Blade length mm    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

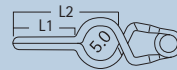
FE650K        9/15.7    9.1    1.47    150

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



Diameter of fenestration 5 mm


Cat. No.

Blade length mm    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

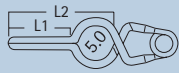
FE776K        10/6.7    5.0    1.47    150

PHYNOX STANDARD

# Phynox Fenestrated Clips

PERMANENT

PERMANENT



Diameter of fenestration 5 mm

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

FE777K		5/6.7	5.0	1.47	150
--------	--	-------	-----	------	-----

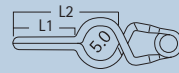
FE778K		7.5/6.7	5.0	1.47	150
--------	--	---------	-----	------	-----

FE779K		10/6.7	5.0	1.47	150
--------	--	--------	-----	------	-----

FE881K		5/10.4	7.0	1.47	150
--------	--	--------	-----	------	-----

FE882K		7.5/12.4	7.8	1.47	150
--------	--	----------	-----	------	-----

FE883K		10/14.5	8.8	1.47	150
--------	--	---------	-----	------	-----



Diameter of fenestration 5 mm

Cat. No. Blade length mm 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 STANDARD



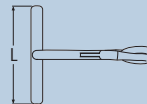
# Phynox T-Bar Clips

PERMANENT



Diameter of fenestration 5 mm

Cat. No.



Blade length  
mm

Angle

Maximal  
opening mm

Closing force  
N g

## Aneurysm Clip with a unique design

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

FE852K



5.0

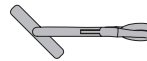
45°

5.5

1.47

150

FE853K



9.0

45°

5.5

1.47

150

FE854K



5.0

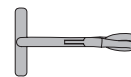
90°

5.5

1.47

150

FE855K



9.0

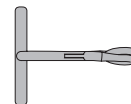
90°

5.5

1.47

150

FE856K



13.0

90°

5.5

1.77

180

PHYNOX T-BAR CLIP

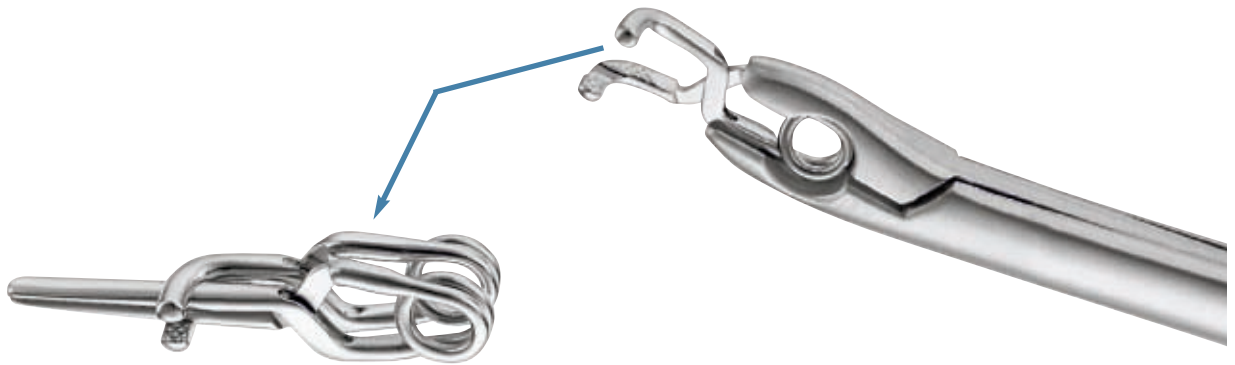
# Reinforcing Clip

PERMANENT

Cat. No.

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

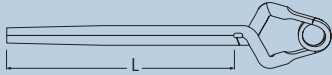
FE900K





# Phynox Long Clips and Applying Forceps

PERMANENT



Cat. No.

Blade length mm	Maximal opening mm	Closing force	
		N	g

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

FE861K



30 19 1.86 190

FE862K



35 21 1.96 200

FE863K



40 23 1.96 200

PHYNOX LONG CLIP

## Long Clip Applying Forceps



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

FE560K







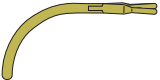
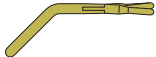



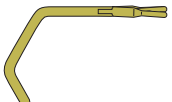
# Phynox Standard and Mini Clips

- MRI safety, non-ferromagnetic, tested up to 3 Tesla
- colour coding with gold spring and blades (temporary clip)

## TEMPORARY

## TEMPORARY

PHYNOX STANDARD AND MINI

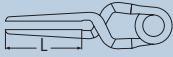















Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FE751K		9.0	7.0	0.69	70
FE753K		8.4	6.8	0.69	70
FE755K		6.7	6.1	0.69	70
FE781K		15.0	9.2	0.69	70
FE783K		13.8	8.7	0.69	70
FE785K		10.4	7.4	0.69	70
FE756K		9.1	6.2	0.69	70
FE791K		20.0	11.4	0.88	90
FE793K		18.7	11.0	0.88	90
FE795K		16.8	9.9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

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

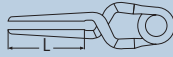








- MRI safety, non-ferromagnetic, tested up to 3 Tesla
- colour coding with silver spring and blades (permanent clip)

## PERMANENT

Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FE680K		3.0	3.3	1.08	110
FE690K		5.0	4.0	1.08	110
FE700K		3.0	3.3	1.08	110
FE710K		5.0	4.0	1.08	110
FE720K		7.0	4.6	1.08	110
FE682K		2.8	3.2	1.08	110
FE692K		4.7	3.8	1.08	110
FE694K		4.0	3.6	1.08	110
FE711K		4.0	3.6	1.08	110
FE712K		4.7	3.8	1.08	110
FE713K		4.0	3.6	1.08	110
FE726K		5.2	4.0	1.08	110
FE722K		6.6	4.4	1.08	110
FE714K		3.9	3.5	1.08	110
FE724K		5.0	4.0	1.08	110

## PERMANENT

Cat. No.		Blade length mm	Maximal opening mm	Closing force N g	
FE716K		5.0	3.5	1.28	130
FE807K		4.7	4.0	1.08	110
FE717K		6.3	6.0	1.28	130
FE727K		4.0	7.0	1.28	130
FE728K		7.0	5.7	1.28	130
FE806K		7.0	4.5	1.28	130

# Phynox Applying Forceps

Standard

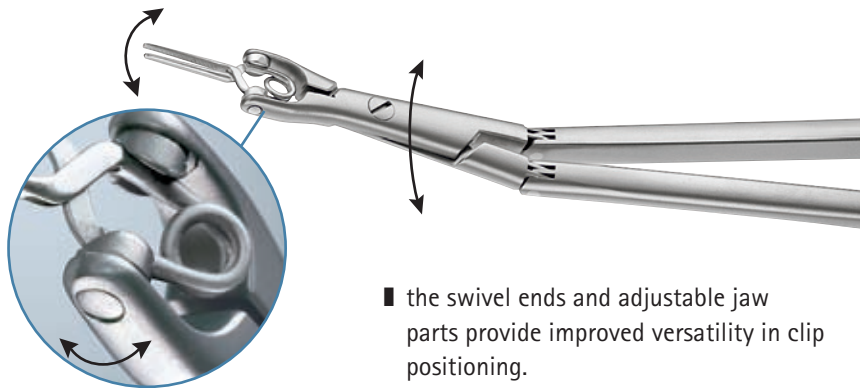
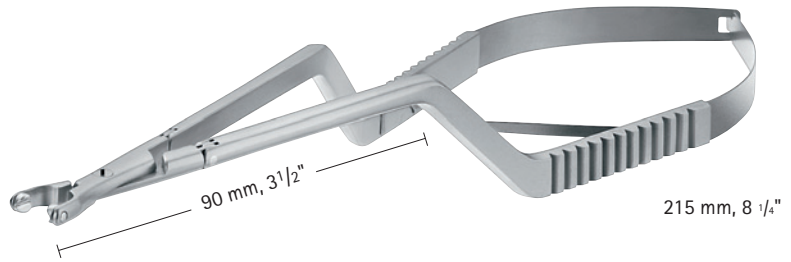
Mini

Vario Clip Applying Forceps

PHYNOX APPLYING FORCEPS

FE512T

FE502T



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



FT402/800

Adjusting Key



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





STANDARD

MINI

### Yasargil Clip Applying Forceps

PHYNEX APPLYING FORCEPS

FE558K

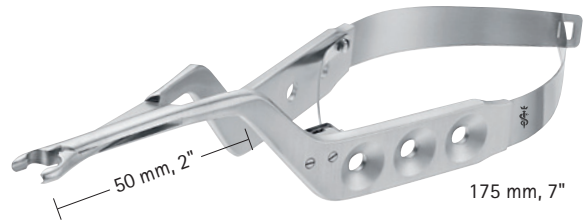
FE548K



175 mm, 7"

FE580K

FE570K

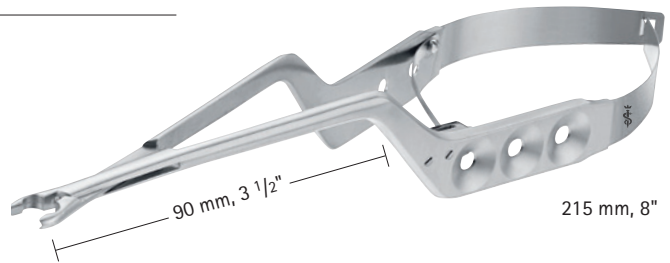


175 mm, 7"

50 mm, 2"

FE582K

FE572K



215 mm, 8"

90 mm, 3 1/2"



straight

FE585K

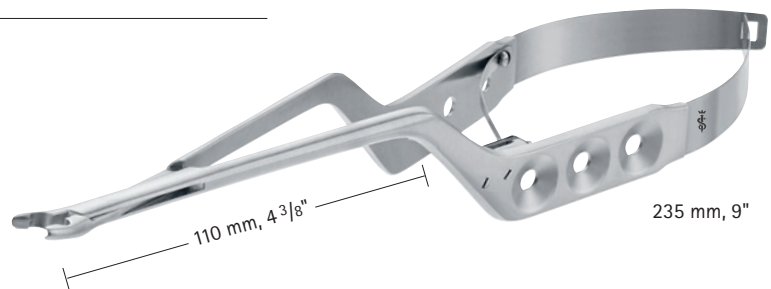
FE575K



15° angled

FE584K

FE574K



235 mm, 9"

110 mm, 4 3/8"



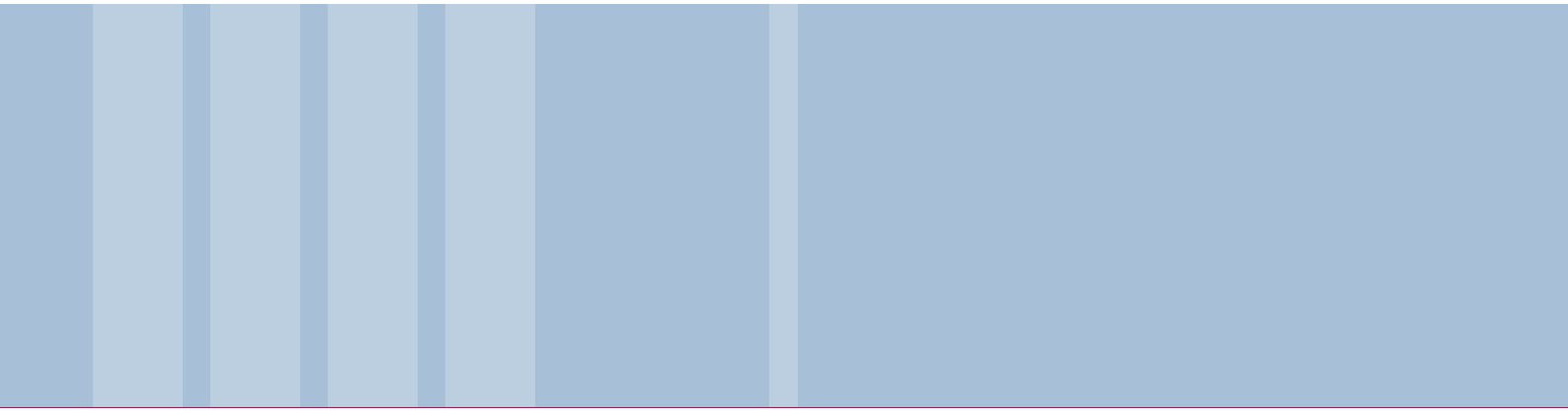
straight

FE587K

FE577K



15° angled



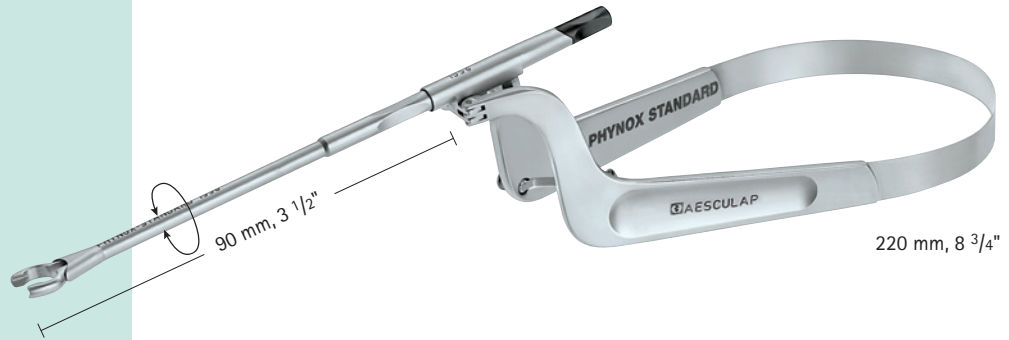


STANDARD

MINI

### XS Applying Forceps

- 360° rotation
- suitable for narrow approach



FE495K

FE490K



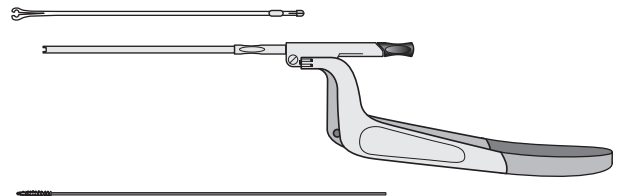
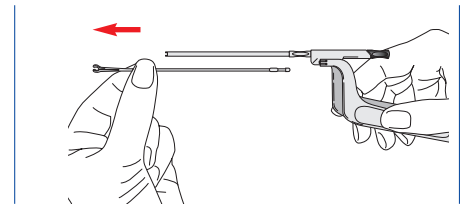
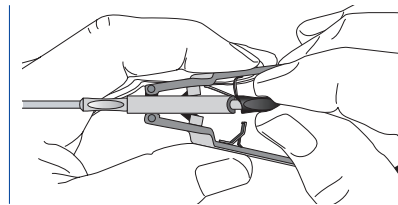
FE496K

FE491K

#### Disassembly

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

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



# Storage

FT007P

## Clip Tray

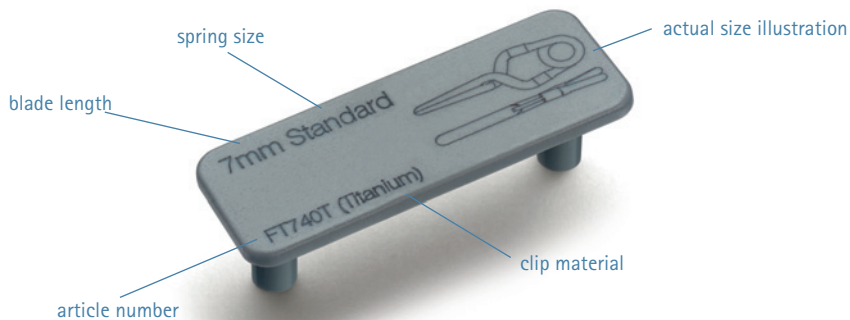
for storage, transport and sterilization of Aesculap Yasargil Aneurysm Clips.

- 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



## Identification tags for the Clip Tray

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



-----TAG

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

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

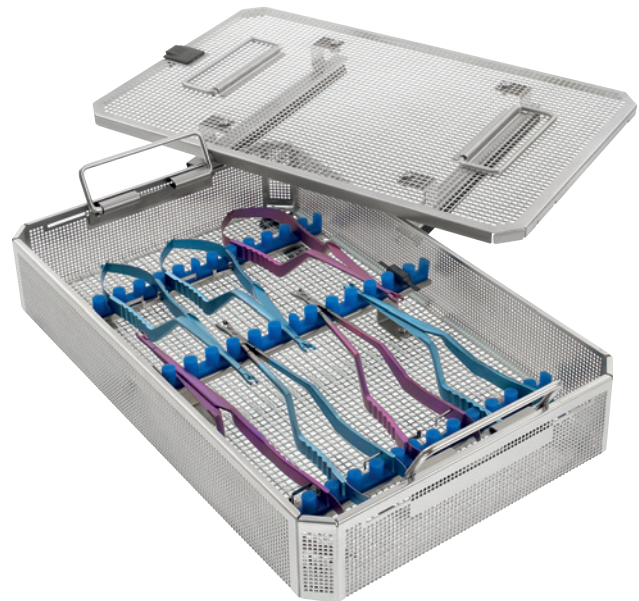
The identification tags for temporary clips are **yellow** and for permanent clips **grey** in line with the colour coding of the Yasargil Aneurysm Clips.



FM665R

### Storage of applying forceps

perforated basket with lid, for storage of clip applying forceps



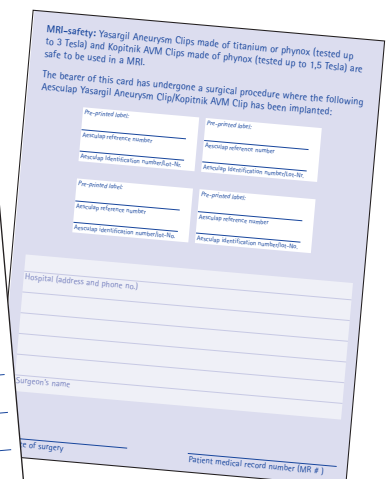
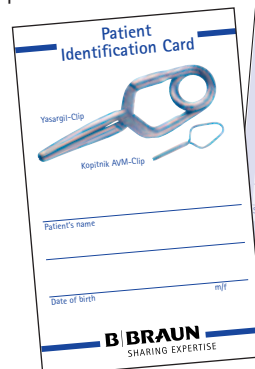
STORAGE + ACCESSORIES

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

### Patient identification card for Yasargil Clip implants

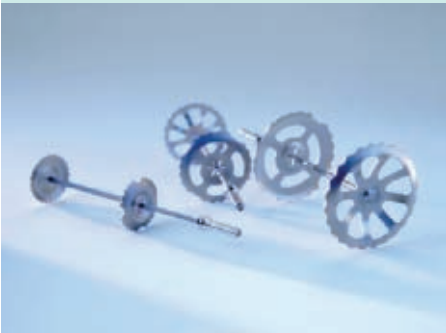
- provides safety for physician and patient safety for follow-ups
- information about 3 Tesla safety of Aesculap Yasargil Aneurysm Clips
- version available in German and English
- download from the Extranet possible

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

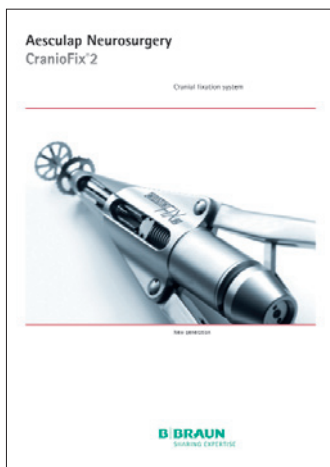


# Aesculap Neurosurgery

## ■ CranioFix®2



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

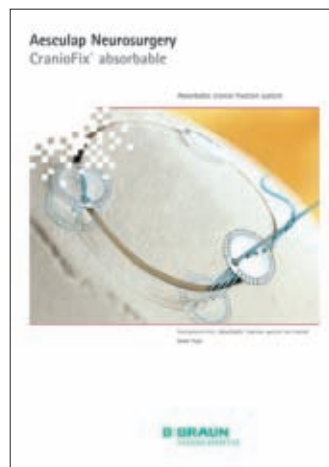


For more information see  
Brochure C08802

## ■ CranioFix® absorbable



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

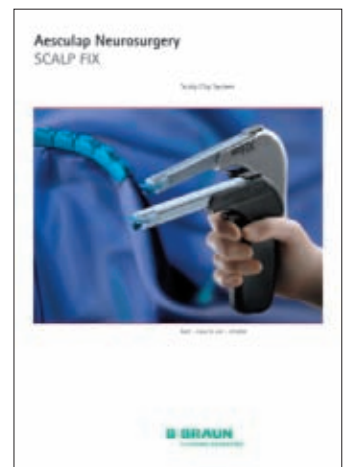


For more information see  
Brochure C09802

## ■ ScalpFix Scalp clip system



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



For more information see  
Brochure C79002



### Kopitnik AVM Microclip System



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

### Neurosorb® Premium Patties and Strips



... provides excellent tissue protection and absorption control with good handling properties such as ideal softness and flexibility.

### Fukushima suction cannulas



... the classic suction cannulas for neurosurgery procedures!



For more information see Brochure C07702



For more information see Brochure C83002  
No distribution in Germany.



For more information see Brochure C81202



AESCULAP®

**B | BRAUN**  
SHARING EXPERTISE

**Aesculap AG & Co. KG**

Am Aesculap-Platz  
78532 Tuttlingen  
Germany

Phone +49 7461 95-0  
Fax +49 7461 95-2600

[www.aesculap.de](http://www.aesculap.de)

All rights reserved. Technical alterations are possible. This leaflet may be used for no other purposes than offering, buying and selling of our products. No part may be copied or reproduced in any form. In the case of misuse we retain the rights to recall our catalogues and pricelists and to take legal actions.