

# Aesculap<sup>®</sup> microform

Micro instruments – developed for neurosurgery



Aesculap Neurosurgery

# Aesculap® *microform*

## Micro instruments – developed for neurosurgery

### YASARGIL *microform* Design

The foundation of today's *microform* instruments was laid over 30 years ago by Professor Dr Yasargil with his specially custom built instrument design.

With the introduction of microsurgery into neurosurgery, surgical instruments also had to meet the new challenges of operative techniques. Together with Aesculap, Professor Dr. Yasargil developed a range of neurosurgery instruments: the *microform* portfolio. Today it is almost impossible to imagine modern neurosurgery and the numerous operations without these instruments.

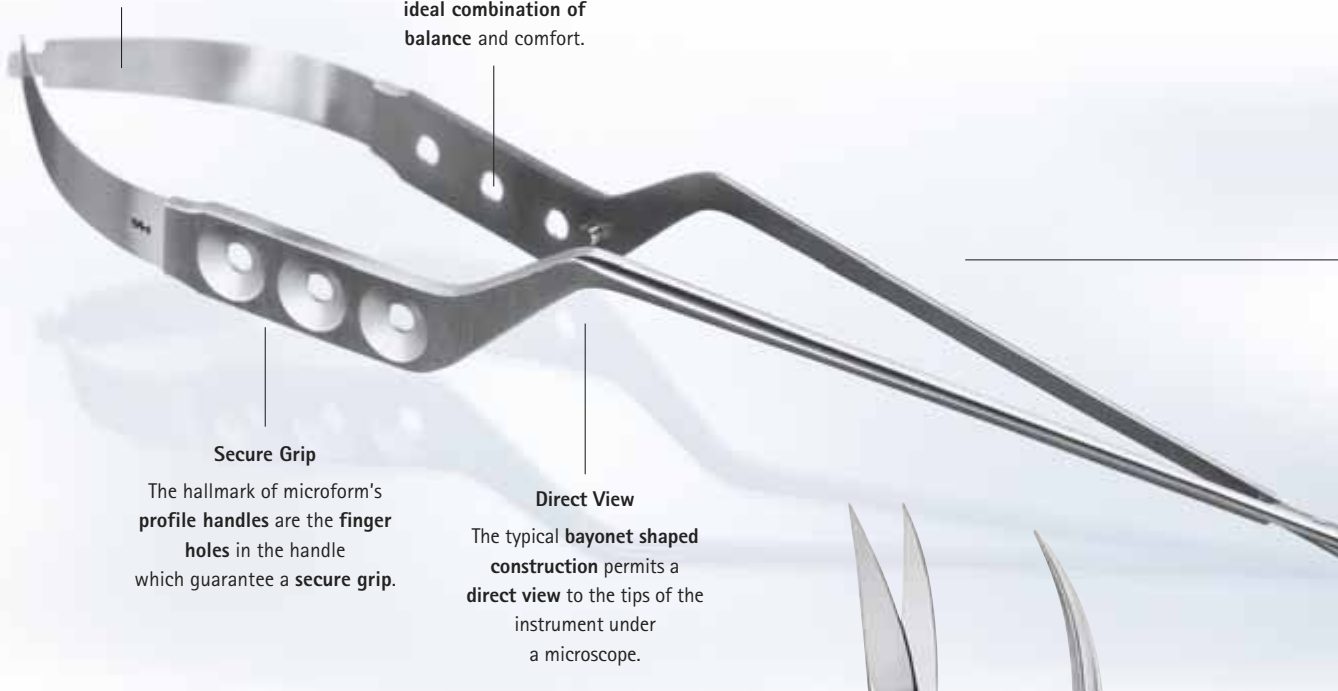


#### Correct Tension

The **spring** ensures a **defined tension** in the handle and thereby facilitates dissection.

#### Balanced Weight

The **holes** in the handle ensure the weight is set perfectly and that there is an **ideal combination of balance** and comfort.



#### Secure Grip

The hallmark of *microform*'s **profile handles** are the **finger holes** in the handle which guarantee a **secure grip**.

#### Direct View

The typical **bayonet shaped construction** permits a **direct view** to the tips of the instrument under a microscope.

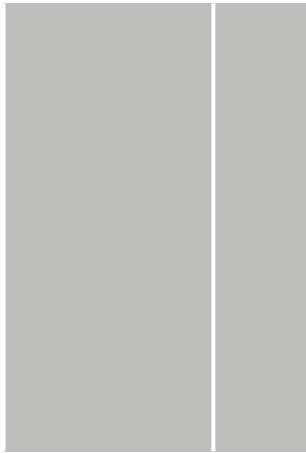
### Aesculap Model Fidelity and Aesculap Quality



Aesculap has been associated in the development of all surgery disciplines for over 140 years.

From the very beginning the **high model fidelity** and **quality** of our micro instruments has been based on specially selected material, strictly **defined Aesculap manufacturing processes** and in particular our **highly qualified, highly skilled instrument makers**.



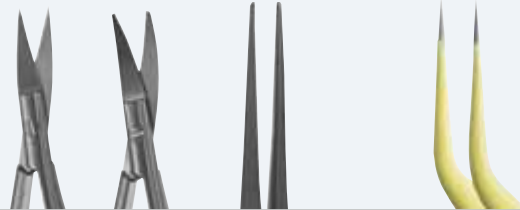


### The Portfolio

The range encompasses scissors, forceps, tumor forceps and needle holders - from extra fine to robust.

#### Ultra Short Instruments

**NEW**



NOIR® scissors    NOIR® forceps    Bipolar forceps

#### Standard Instruments



Scissors    Tumor forceps    Forceps    Needle holder

#### Special Scissors

**NEW**



Special angled scissors    Robust scissors

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## NOIR®, No Irritating Reflections

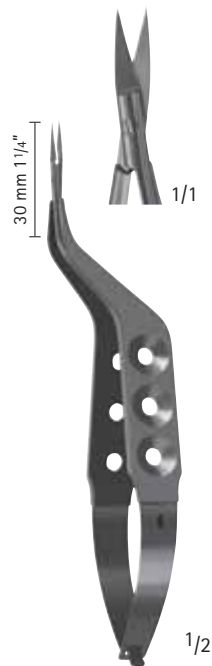
The NOIR® surface coating prevents any distracting reflection of light and is visually very pleasing as well.



**NEW**

NOIR® scissors, straight

NOIR® scissors, curved upwards

NOIR® forceps



Sharp/sharp	
Blunt/blunt	
Working length	
Total length	

FD118B
30 mm 1 1/4"
145 mm 5 3/4"

FD119B
30 mm 1 1/4"
145 mm 5 3/4"

BD838B
30 mm 1 1/4"
155 mm 6"

# Ultra Short Instruments

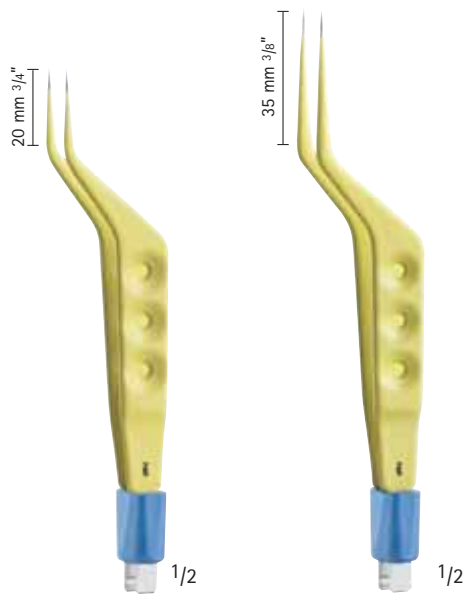


Ultra Short Instruments

In addition to the microform micro instruments we also offer a great selection of bipolar microform coagulation forceps. For short instruments we recommend bipolar coagulation forceps with lengths 20 mm and 35 mm.



You can find the complete portfolio of our coagulation forceps as well as for all our products for Aesculap® electro surgery in brochure C30481.



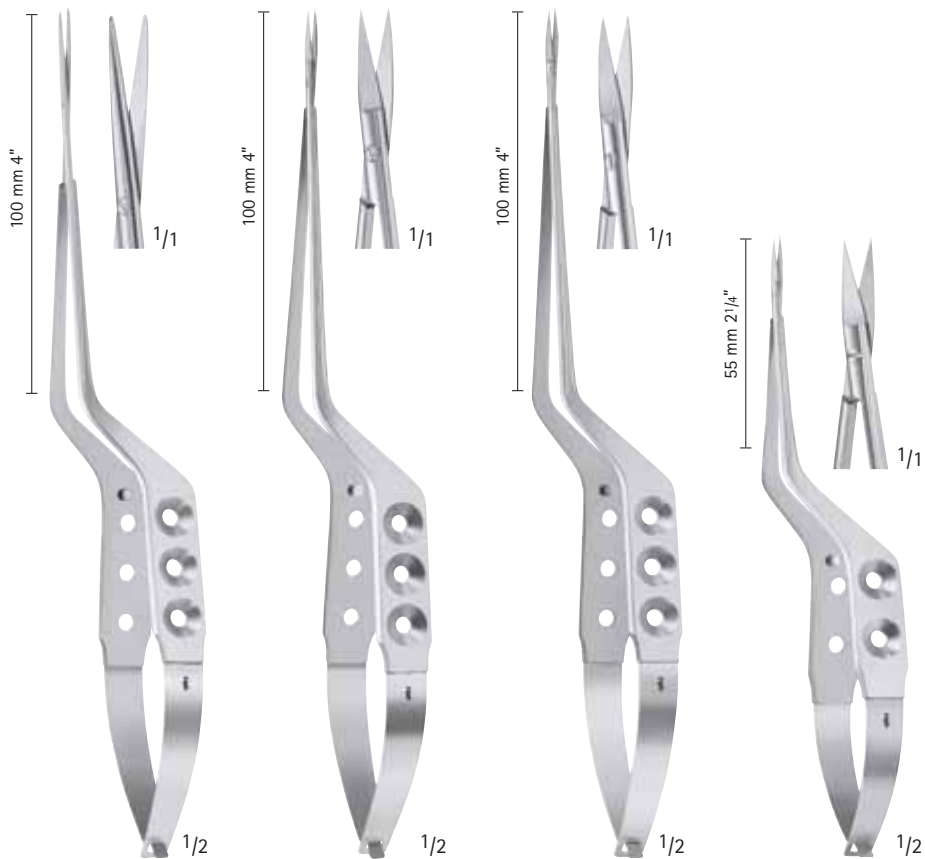
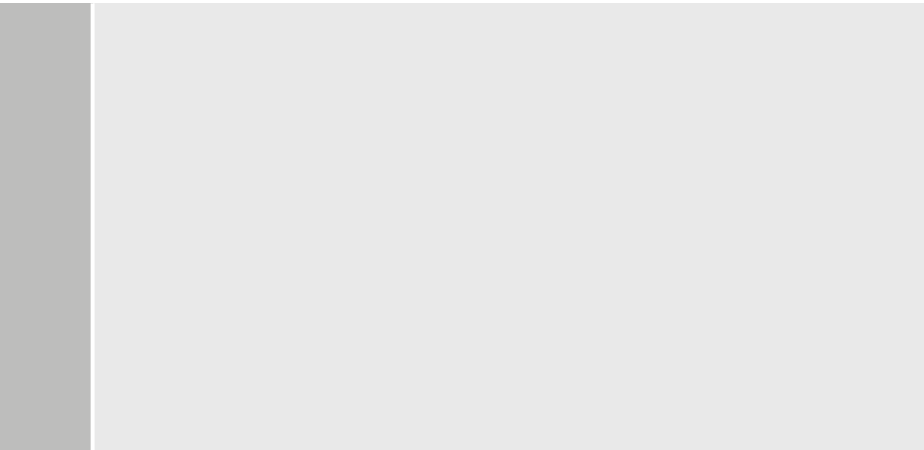
0.4 mm	
0.7 mm	
1.0 mm	
1.3 mm	
<b>Working length</b>	
<b>Total length</b>	


GK746R
GK747R
GK748R
GK749R
<i>20 mm 3/4"</i>
<i>140 mm 5 1/2"</i>


GK760R
GK761R
GK762R
GK763R
<i>35 mm 3/8"</i>
<i>155 mm 6 1/8"</i>

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Sharp/sharp 

Blunt/blunt 

FD044R

FD060R

FD038R

FD030R

Working length 100 mm 4"

100 mm 4"

100 mm 4"

55 mm 2 1/4"

Total length 225 mm 9"

225 mm 9"

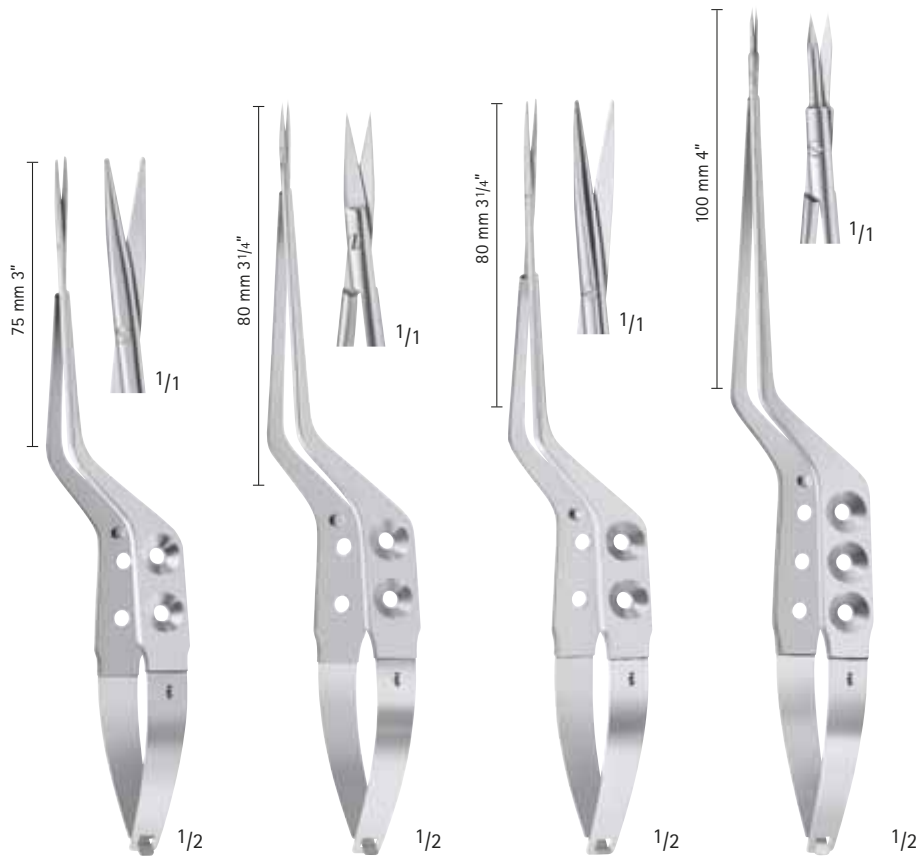
225 mm 9"


165 mm 6 1/2"


# Scissors, straight



Scissors, straight



Sharp/sharp 

Blunt/blunt 

Working length 75 mm 3"

Total length 185 mm 7 1/4"

**FD075R**

**FD034R**

**FD032R**

**FD037R**

*80 mm* *3 1/4"*

*80 mm* *3 1/4"*

*100 mm* *4"*

*200 mm* *8"*

*200 mm* *8"*

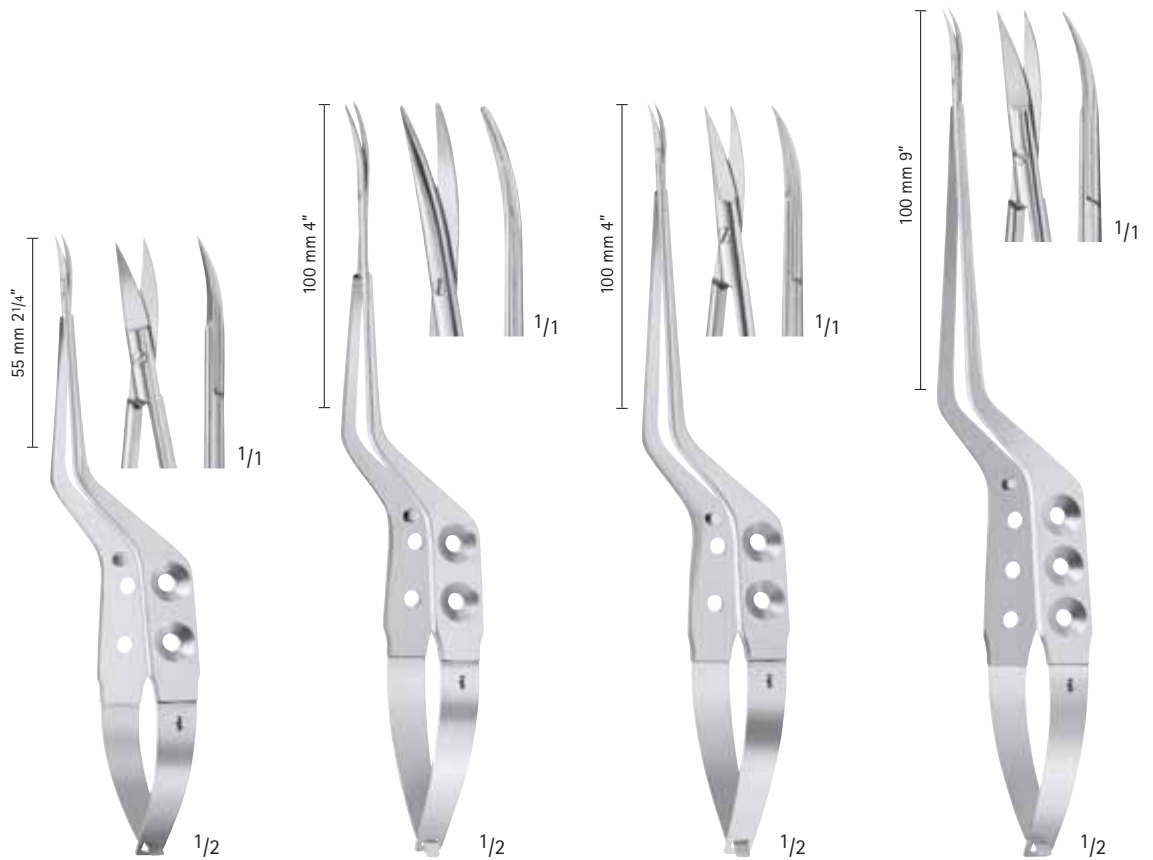
*225 mm* *9"*


# Aesculap® *microform*


Micro instruments – developed for neurosurgery



Scissors, upwards curved



Sharp/sharp 

Blunt/blunt 

Working length 55 mm 2 1/4"

Total length 165 mm 6 1/2"

FD031R

FD033R

80 mm 3 1/4"

200 mm 8"

FD035R

80 mm 3 1/4"

200 mm 8"

FD039R

100 mm 4"

225 mm 9"



# Scissors, curved





Scissors, curved

Scissors, upwards curved

Scissors, downwards curved



Sharp/sharp 

Blunt/blunt 

FD040R

FD043R

FD061R

FD036R

Working length 100 mm 4"

100 mm 4"

120 mm 4 3/4"

80 mm 3 1/4"

Total length 225 mm 9"

225 mm 9"

245 mm 9 3/4"

200 mm 8"

# Aesculap® *microform*

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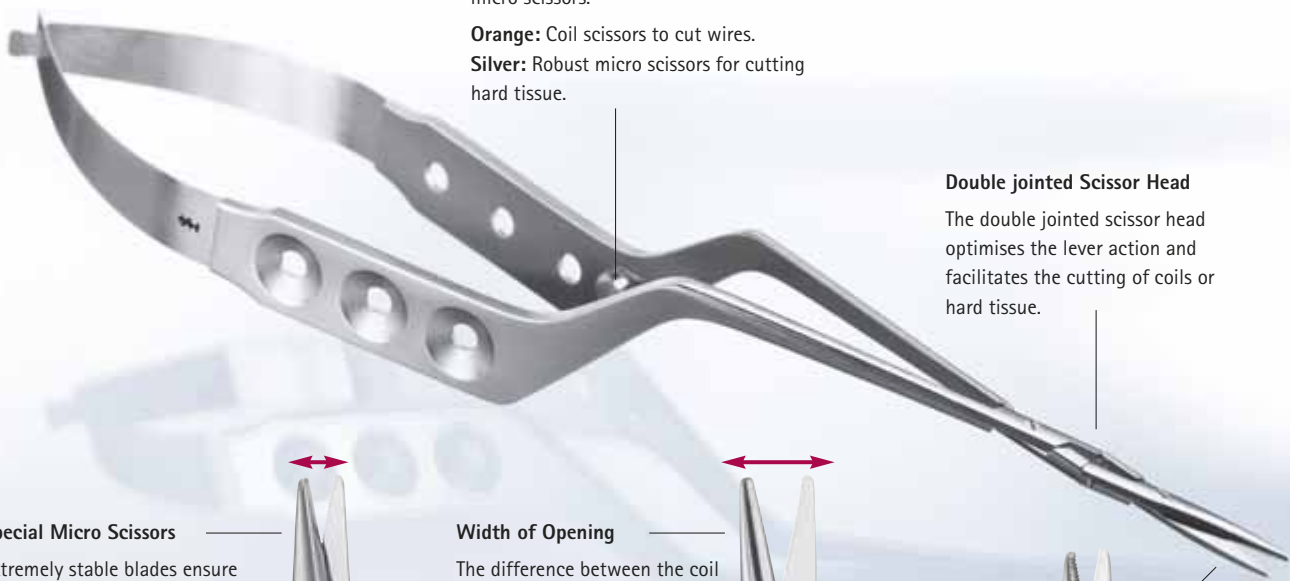


## Identifier Pin

The integrated pin serves as a stop and as a simple way of identifying the robust Aesculap® micro scissors.

**Orange:** Coil scissors to cut wires.

**Silver:** Robust micro scissors for cutting hard tissue.



## Double jointed Scissor Head

The double jointed scissor head optimises the lever action and facilitates the cutting of coils or hard tissue.

## Special Micro Scissors

Extremely stable blades ensure long life.

Standard scissors can be damaged easily if used for cutting coils. The stable blades of the coil scissors cut the coil wire smoothly and without any friction.



Coil scissors

## Width of Opening

The difference between the coil scissors and the tumor scissors is the different width that the scissors open out to.

In order to cut wire perfectly a narrow width of opening is required.

To cut harder tissue however, the width of opening must be like that of the standard scissors.



Robust micro scissors

## Special Blades

The serrated blades improve grip and prevent the coil or tissue from slipping away while being cut.



# Special Scissors



Special Scissors

**NEW**



FD062R

FD063R

FD124R

FD125R

Working length	80 mm 3 1/4"
Total length	210 mm 8 1/4"

Working length	110 mm 4 1/4"
Total length	240 mm 9 1/2"

Working length	80 mm 3 1/4"
Total length	210 mm 9 1/4"



Working length	110 mm 4 1/4"
Total length	240 mm 9 1/2"

# Aesculap® *microform*

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Special Scissors



Sharp/sharp	
Blunt/blunt	
Working length	
Total length	

FD056R

80 mm 3 1/4"

200 mm 8"

FD057R

80 mm 3 1/4"

200 mm 8"

FD059R

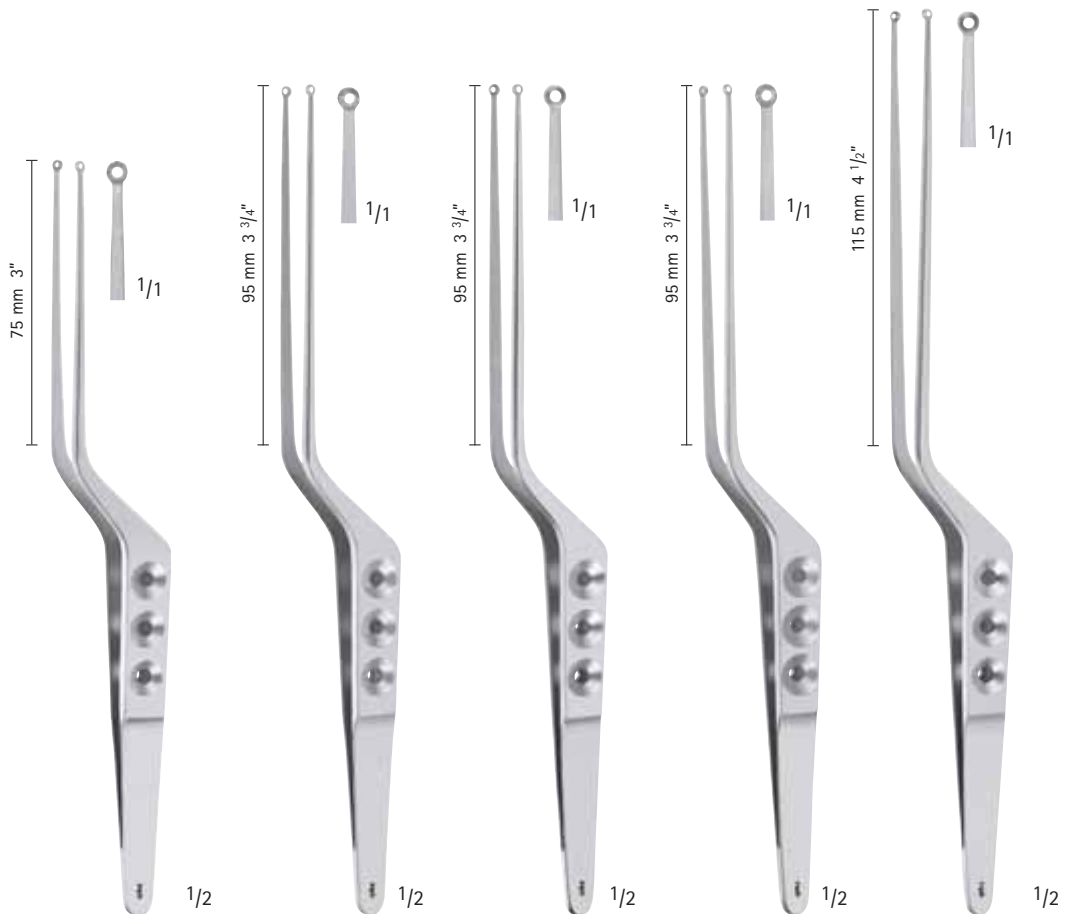
70 mm 2 3/4"




190 mm 7 1/2"

# Scissors and Tumor Forceps



Scissors, Tumor Forceps

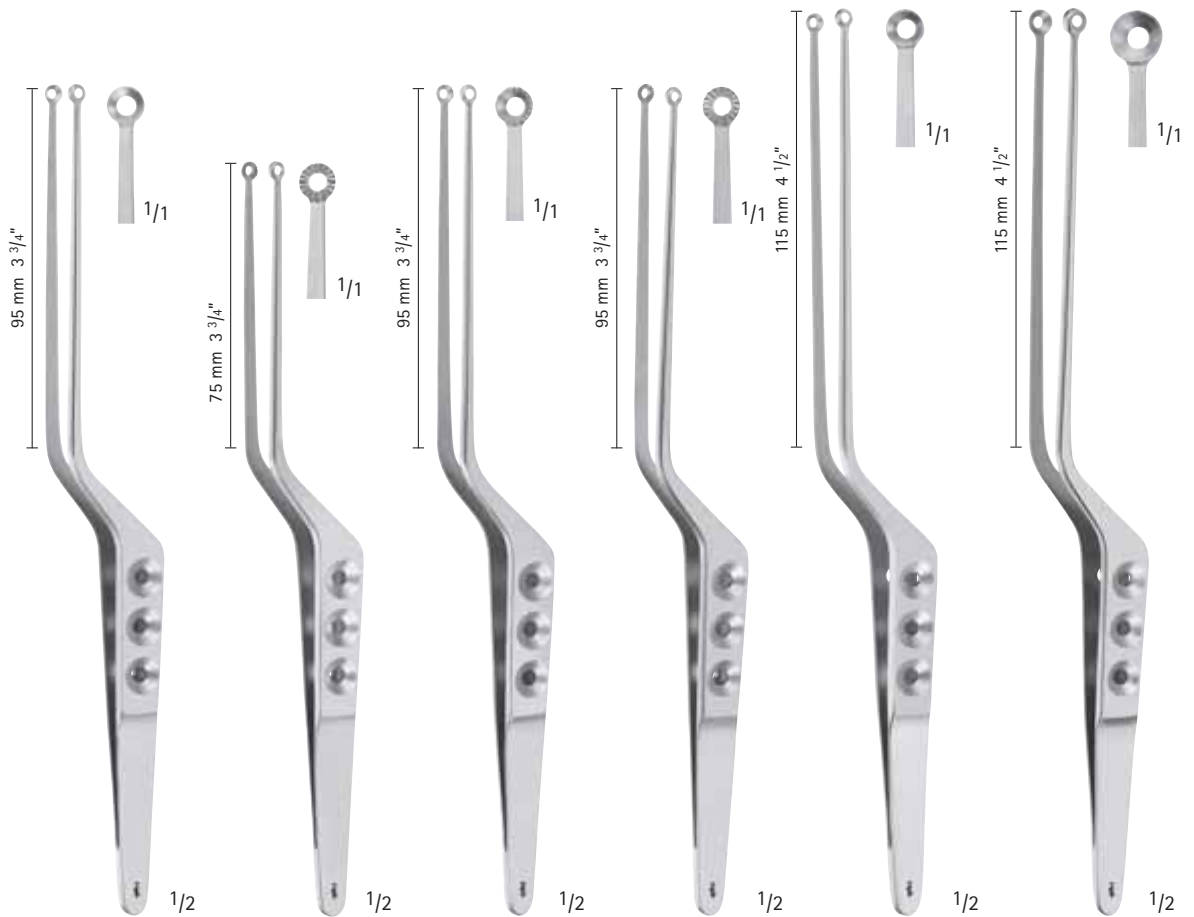





- Serrated 
- Spoon-shaped 
- Flat serrated 

	FD223R	FD215R	FD210R	FD214R	FD200R
Working length	75 mm 3"	95 mm 3 3/4"	95 mm 3 3/4"	95 mm 3 3/4"	115 mm 4 1/2"
Total length	200 mm 8"	220 mm 8 3/4"	220 mm 8 3/4"	220 mm 8 3/4"	240 mm 9 1/2"

# Aesculap® microform

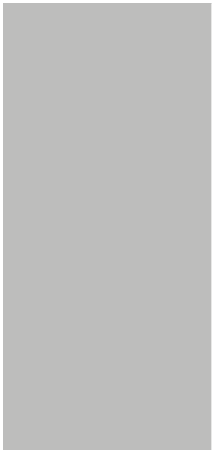
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- Serrated 
- Spoon-shaped 
- Flat serrated 

	FD212R	FD229R	FD217R	FD216R	FD202R	FD204R
Working length	95 mm 3 3/4"	75 mm 3"	95 mm 3 3/4"	95 mm 3 3/4"	115 mm 4 1/2"	115 mm 4 1/2"
Total length	220 mm 8 3/4"	200 mm 8 3/4"	220 mm 8 3/4"	220 mm 8 3/4"	240 mm 9 1/2"	240 mm 9 1/2"

# Tumor Grasping Forceps



Tumor Grasping Forceps



Serrated 

Spoon-shaped 

Working length

Total length

FD190R

105 mm 4 1/4"

230 mm 9"

FD195R

105 mm 4 1/4"

230 mm 9"

FD218R

95 mm 3 3/4"

220 mm 8 3/4"

FD219R

95 mm 3 3/4"

220 mm 8 3/4"

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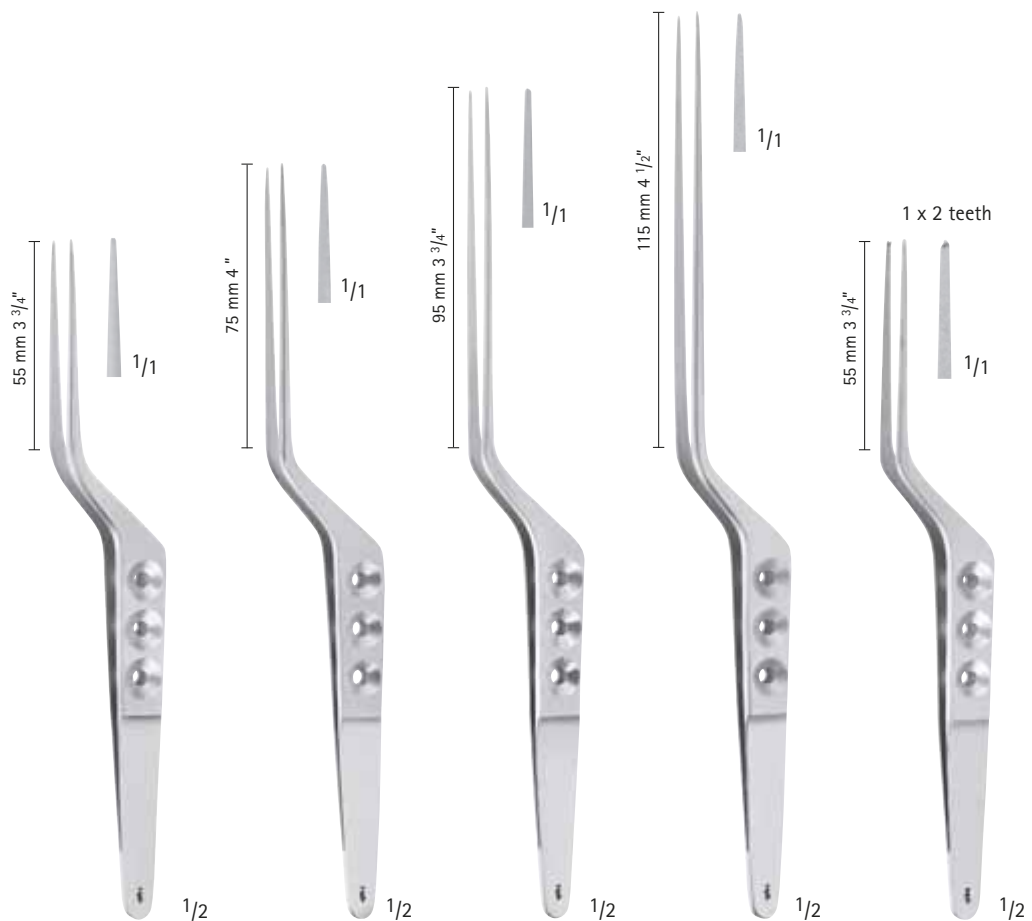
	BD835R	BD840R	BD845R	BD850R
Working length	55 mm 2 1/4"	75 mm 3"	95 mm 3 3/4"	115 mm 4 1/2"
Total length	180 mm 7"	200 mm 8"	220 mm 8 3/4"	240 mm 9 1/2"


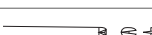


# Micro Forceps



Micro Forceps



	BD836R	BD841R	BD846R	BD851R	BD837R
0.9 mm 					
0.9 mm 					
Working length	55 mm 2 1/4"	75 mm 3"	95 mm 3 3/4"	115 mm 4 1/2"	55 mm 2 1/4"
Total length	180 mm 7"	200 mm 8"	220 mm 8 3/4"	240 mm 9 1/2"	180 mm 7"

# Aesculap® microform

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Needle holder



100 years  
of industrially  
manufactured sterile  
sutures from B. Braun

B. Braun offers the appropriate suture material for every indication. For use in neurosurgery, Dafilon® is recommended for microform needle holders. You will find the different suture material in brochure 9992936.



	FD092R	FD096R	FD093R	FD097R
Working length	80 mm 3 1/4"	100 mm 4"	80 mm 3 1/4"	100 mm 4"
Total length	200 mm 8"	225 mm 9"	200 mm 8"	225 mm 9"

# Needle Holder, Reprocessing and Storage



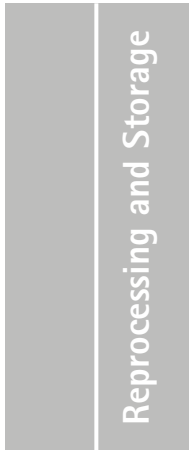
## Reprocessing

The correct preparation and storage are contributory factors to long life and quality of use. We recommend not only to read the instructions for use, but also to learn about the cleaning and preparation of the instruments by reading the Red Brochure "Proper Maintenance of Instruments". This brochure can also be downloaded from the internet at [www.a-k-i.org](http://www.a-k-i.org).



## Storage

For the care of the micro instruments, we recommend the basket FM665R or a basket from our Aesculap Universal Storage System. Up to 14 instruments can be stored simply and securely in FM665R during sterilisation.



You can find further information about the correct preparation of the instruments in the AKI's "Red Brochure".



You can find further information about the Aesculap Instrument Organisation System in our Brochure C81902.



Basket FM665R  
3/4 Container JK701P

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