

MIN Set

Instruments for Minimally Invasive Neurosurgery



Aesculap Neurosurgery

MIN Set Features



Fine instrument tips
Especially important when working in very narrow spaces and close to sensitive structures.



Round golf ball handle design
Designed to ensure an excellent grip and enable easy rotation of the instruments. This provides precise handling.



Various working lengths
One handle design aligned with precisely adapted working lengths. Providing the right instrument at your fingertips!





Slender design and angled bayonet shape

Improved visibility of the surgical site due to the slender design. Angled bayonet shape allows for fewer obstructions while working under the microscope.

Noir™, No Irritating Reflections

Aesthetic surface coating effectively prevents disturbing light reflections.

Surgical procedures that reduce patient trauma have made minimally invasive procedures one of the main trends in Neurosurgery. However, the protection of the close-by organ regions and prevention of functional deficiency remain a challenging task. For this reason, we have designed a specially dedicated set of fine instruments – the **Aesculap MIN set**.



MIN Instruments

Micro Scissors



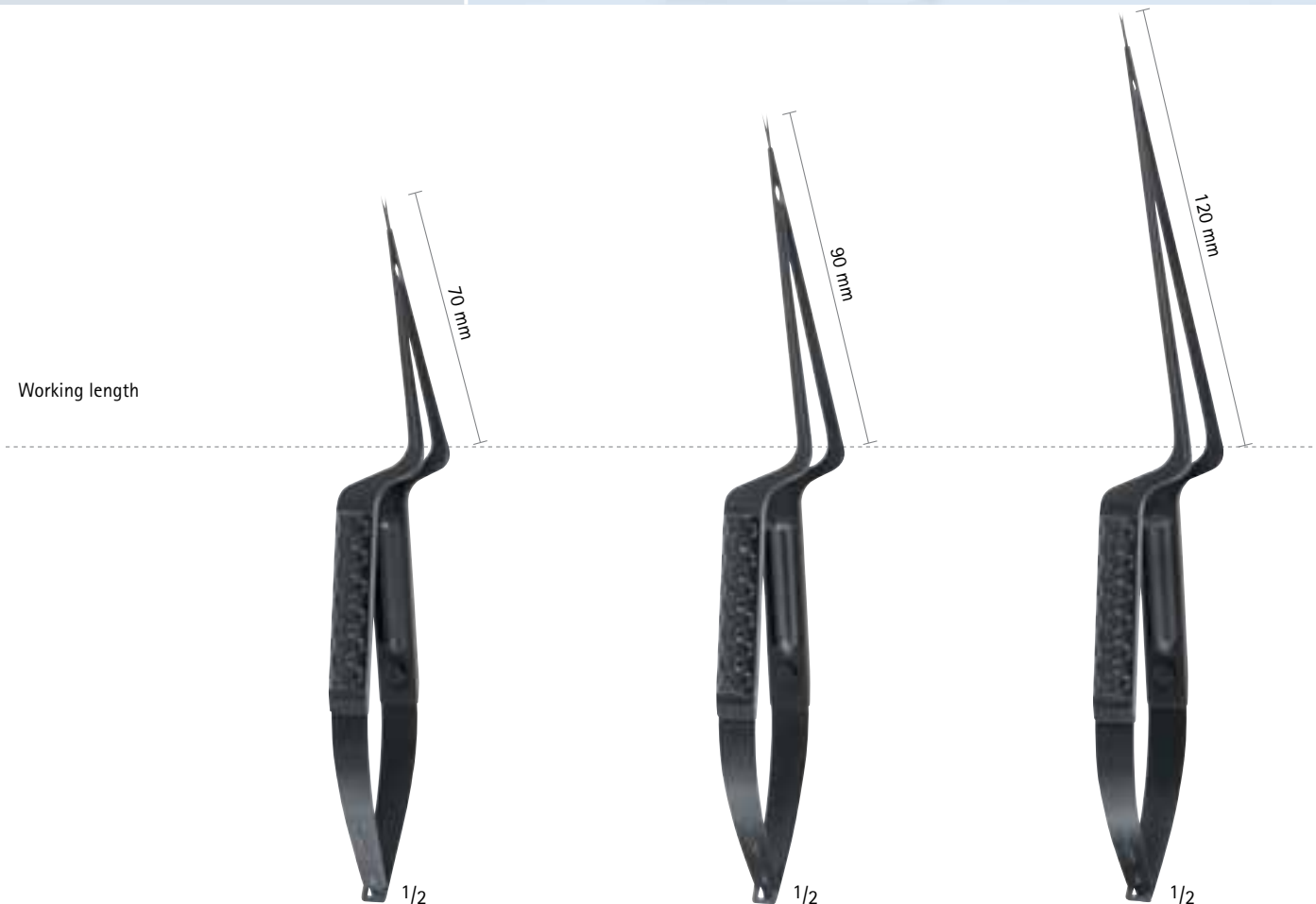
Wavecut prevents tissue from slipping out of the jaws during cutting. The micro scissors are available in straight, slightly curved and curved.





The fine cutting blades are available with sharp and blunt tips for both sharp and blunt dissection. A pictogram on the spring indicates the working end.



The round ergonomic golf ball handle design enables an easy and uniform rotation of the instrument and offers an excellent grip to enable precise handling.



	straight	slightly curved	curved	straight	slightly curved	curved	straight	slightly curved	curved
	FD701B	FD702B	FD703B	FD731B	FD732B	FD733B	FD771B	FD772B	FD773B
	FD704B	FD705B	FD706B	FD734B	FD735B	FD736B	FD774B	FD775B	FD776B
Working length	70 mm 2 ³ / ₄ "	70 mm 2 ³ / ₄ "	70 mm 2 ³ / ₄ "	90 mm 3 ¹ / ₂ "	90 mm 3 ¹ / ₂ "	90 mm 3 ¹ / ₂ "	120 mm 4 ³ / ₄ "	120 mm 4 ³ / ₄ "	120 mm 4 ³ / ₄ "
Total length	200 mm 7 ⁷ / ₈ "	200 mm 7 ⁷ / ₈ "	200 mm 7 ⁷ / ₈ "	220 mm 8 ³ / ₄ "	220 mm 8 ³ / ₄ "	220 mm 8 ³ / ₄ "	250 mm 9 ³ / ₄ "	250 mm 9 ³ / ₄ "	250 mm 9 ³ / ₄ "

MIN Instruments

Micro Needle Holder



*Curved and smooth needle holder tips.
For suture material size 7/0 and smaller.*



*For reliable grasping and handling of the needle,
the micro needle holders are equipped with a catch
lock.*



For suture material size
7/0 and smaller.

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Working length



Working length

Total length

FD717B

70 mm
2³/₄"

200 mm

7⁷/₈"

FD718B

90 mm
3¹/₂"

220 mm

8³/₄"

FD719B

120 mm
4³/₄"

250 mm

9³/₄"

MIN Instruments

Tissue and Tumor Grasping Forceps

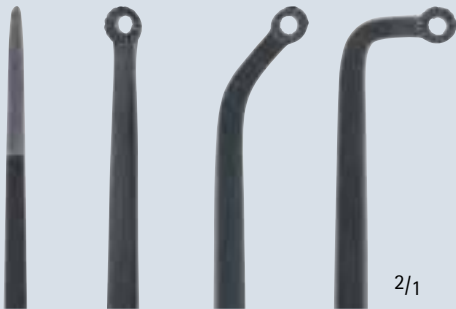


The diamond dust coating ensures an even harder and more wear resistant surface on the inside of the jaws. Moreover, the DIA DUST™ coating guarantees a reliable grip of the tissue.



The micro tumor forceps have a serrated ring tip for quick and reliable tumor removal.

straight straight 45° curved 90° curved



				straight		45° curved		90° curved		
0.5 mm	FD711B	FD741B	FD761B	2.5 mm	FD766B	FD786B	FD767B	FD787B	FD768B	FD788B
0.9 mm	FD713B	FD743B	FD763B	3.5 mm	FD769B	FD789B	-	-	-	-
Working length	70 mm 2 3/4"	90 mm 3 1/2"	120 mm 4 3/4"	Working length	90 mm 3 1/2"	120 mm 4 3/4"	90 mm 3 1/2"	120 mm 4 3/4"	90 mm 3 1/2"	120 mm 4 3/4"
Total length	190 mm 7 1/2"	210 mm 8 1/4"	240 mm 9 1/2"	Total length	210 mm 8 1/4"	240 mm 9 1/2"	210 mm 8 1/4"	240 mm 9 1/2"	210 mm 8 1/4"	240 mm 9 1/2"



MIN Instruments

Micro Instruments



Probe / Hook



Scoop



Dissector



Curette



Rasparatory



Tumor knife ^{4/1}



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Modular handles

FD811B

Noir™ modular handle 8 mm, 100 mm, 4"

FD812B

Noir modular handle 11 mm, 100 mm, 4"



FD797B

Noir Probe ball-tip, 0°, 200 mm, 7⁷/₈"



FD798B

Noir Probe ball-tip, 45°, 200 mm, 7⁷/₈"



FD799B

Noir Probe ball-tip, 90°, 200 mm, 7⁷/₈"



FD808B

Noir Hook, blunt, 45°, 200 mm, 7⁷/₈"



FD809B

Noir Hook, blunt, 90°, 200 mm, 7⁷/₈"



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FD805B

Noir Hook, sharp, 90°, 200 mm, 7⁷/₈"

Scoops



FD814B

Noir Scoop, 2 mm, 10°, 200 mm, 7⁷/₈"



FD815B

Noir Scoop, 2 mm, 45°, 200 mm, 7⁷/₈"



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FD816B

Noir Scoop with neck, 2 mm, 45°, 200 mm, 7⁷/₈"

Dissectors



FD821B

Noir Dissector, curved, 1 mm, 200 mm, 7⁷/₈"



FD822B

Noir Dissector, curved, 2 mm, 200 mm, 7⁷/₈"



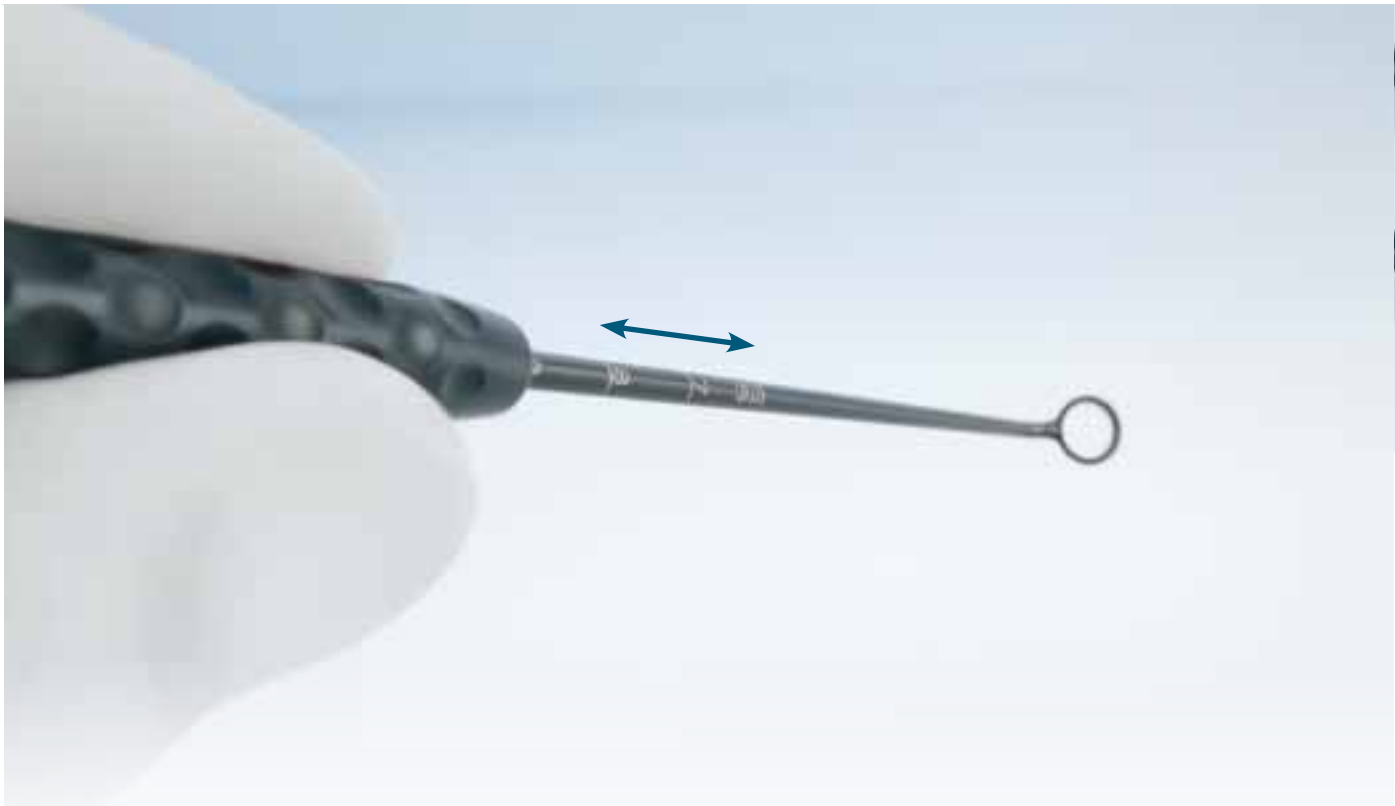
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FD823B

Noir Dissector, curved, 3 mm, 200 mm, 7⁷/₈"

MIN Instruments

Micro Instruments



The MIN Micro Instrument set is a modular system with interchangeable working ends. Choose between two handle sizes and 25 different instruments.



The working length of the micro instruments can be easily adjusted according to the anatomical conditions. The handle allows for a stepless adjustment between 6 and 16 cm. Simply unscrew the handle, choose working length, fix handle, done.



The round ergonomic golf ball handle design enables an easy and uniform rotation of the instrument and offers an excellent grip to enable precise handling.



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Curettes

FD824B	Noir™ Curette, Ø 4 mm, 0°, 200 mm, 7 ⁷ / ₈ "
FD825B	Noir Curette, Ø 4 mm, 45°, 200 mm, 7 ⁷ / ₈ "
FD826B	Noir Curette, Ø 4 mm, 90°, 200 mm, 7 ⁷ / ₈ "
FD827B	Noir Curette with neck, Ø 4 mm, 45°, 200 mm, 7 ⁷ / ₈ "
FD828B	Noir Curette with neck, Ø 4 mm, 90°, 200 mm, 7 ⁷ / ₈ "
FD835B	Noir Curette, Ø 6,5 mm, 45°, 200 mm, 7 ⁷ / ₈ "
FD836B	Noir Curette, Ø 6,5 mm, 90°, 200 mm, 7 ⁷ / ₈ "



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Rasparatories

FD831B	Noir Rasparatory, 1 mm, 200 mm, 7 ⁷ / ₈ "
FD832B	Noir Rasparatory, 2 mm, 200 mm, 7 ⁷ / ₈ "
FD833B	Noir Rasparatory 3 mm, 200 mm, 7 ⁷ / ₈ "



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Tumor knives

FD839B	Noir Tumor knife, Ø 1,5 mm, 45°, 200 mm, 7 ⁷ / ₈ "
FD840B	Noir Tumor knife, Ø 3 mm, 45°, 200 mm, 7 ⁷ / ₈ "
FD841B	Noir Tumor knife, Ø 4,5 mm, 45°, 200 mm, 7 ⁷ / ₈ "

MIN Instruments

Modular Suction Cannulas



Modular suction tubes with atraumatic tips enable blunt dissection and retraction. The conical design of the tubes reduces plugging.

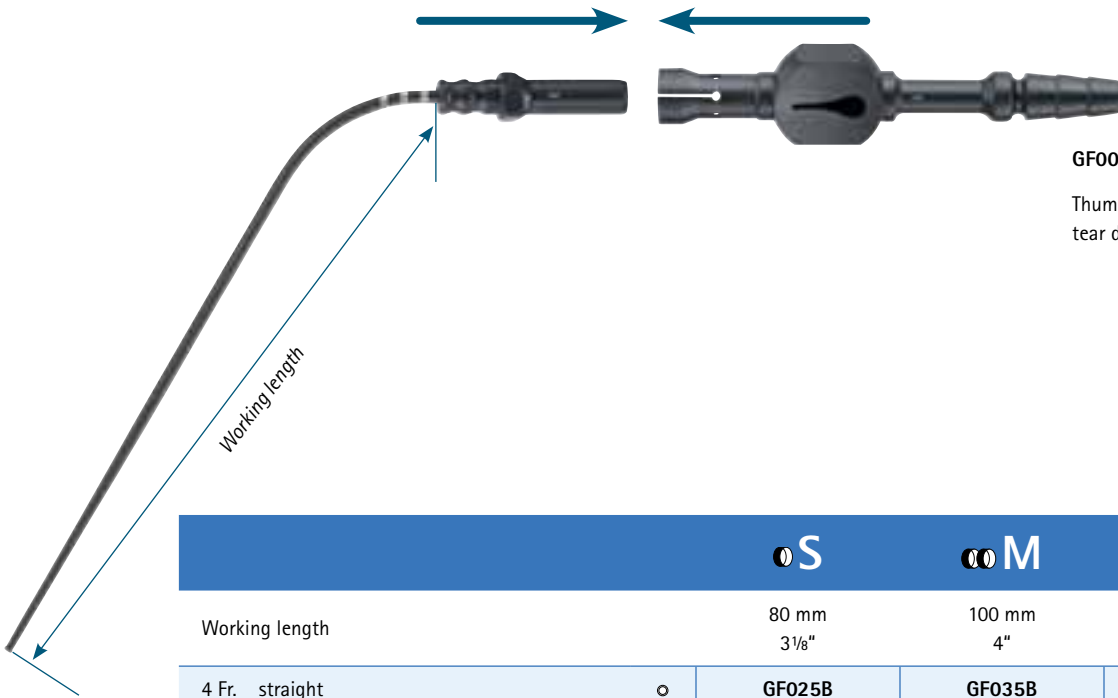
Lateral bore holes reduce the suction pressure to enable suction close to sensitive structures.



Length and diameter are clearly marked, enabling quick and easy identification.

Greater cost efficiency and flexibility...

- Damaged suction tubes can be replaced individually
- Reduced tray weight which requires less space
- Greater freedom for even more flexible use



GF005B

Thumb control for modular suction tubes, tear drop shaped for a very precise suction.

		S	M	L	LL
Working length		80 mm 3 1/8"	100 mm 4"	120 mm 4 3/4"	140 mm 5 1/2"
4 Fr. straight	○	GF025B	GF035B	GF045B	GF055B
6 Fr. straight	⊙	GF026B	GF036B	GF046B	GF056B
6 Fr. straight, lateral holes	⊕	-	GF038B	GF048B	GB058B
6 Fr. curved left	⊖	-	GF030B	-	-
6 Fr. curved right	⊗	-	GF031B	-	-
8 Fr. straight	⊙	GF027B	GF037B	GF047B	GF057B
8 Fr. straight, lateral holes	⊕	-	GF039B	GF049B	GF059B
8 Fr. curved left	⊖	-	GF032B	-	-
8 Fr. curved left	⊗	-	GF033B	-	-

3 Fr. = 1 mm

MIN Instruments

Pivot-Point Bipolar Forceps



The Pivot-Point eases coagulation when working in the deep seated and narrow surgical fields. Coagulating in these areas can be difficult as the forceps tips close and prevent current flow into the tissue. By applying additional force, the Pivot-Point will reopen the tips and enable coagulation in these areas.





The Pivot-Point bipolar forceps is designed with a microform handle and slender working ends for deep operations and narrow approaches.





The fine forceps tips are available in 0.7 mm and 1.0 mm in straight and curved. Upward curved tips offer improved visibility.



0.7 mm 
 1.0 mm 

	GK822R	GK826R
	GK824R	GK828R
Working length	95 mm 3 3/4"	135 mm 5 1/4"
Total Length	215 mm 8 1/2"	255 mm 10"



0.7 mm 
 1.0 mm 

	GK823R	GK827R
	GK825R	GK829R
Working length	95 mm 3 3/4"	135 mm 5 1/4"
Total Length	215 mm 8 1/2"	255 mm 10"

MIN Set

Instrument Organization System Trays



Fine tips need to be protected! In order for your high quality MIN Instruments to provide you with results for a long time to come, they need good protection.

Aesculap has designed and assembled two dedicated IOS trays for the MIN Micro-Neuro Instruments and the other for the MIN Micro Instruments.



FD466R

Tray for MIN Micro-
Neuro Instruments

540 x 253 x 56 mm



FD467R

Tray for MIN Micro
Instruments

243 x 253 x 56 mm

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