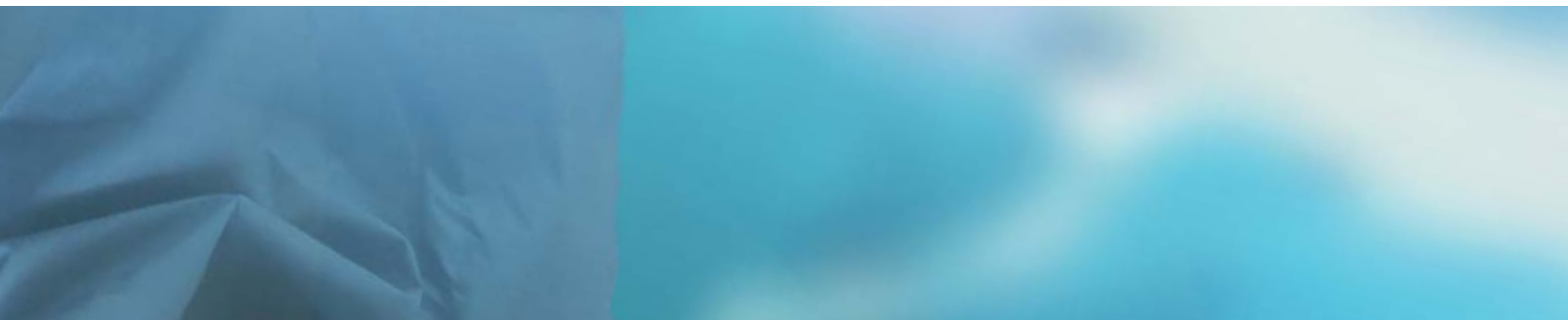
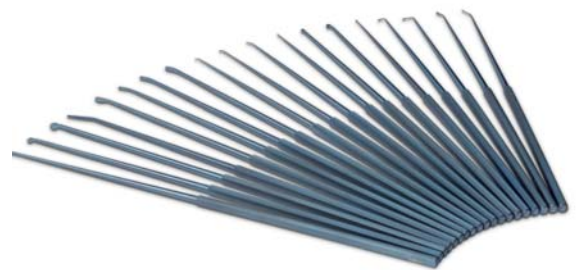




adeor® Microsurgical Instruments



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January 2017

24-25

Micro Suction Instruments

Mikro Sauger

Micro Suction Devices acc. to H. P. Ammerer

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Mikro Nadelhalter

Micro Needle Holders

Printed on recycled paper.

Gedruckt auf Recyclingpapier.





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Conic Spatulae with memory

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Preface

The adeor® Micro Dissectors for microsurgical procedures cranial neurosurgery largely avoid the physiological tremor and thus enabling highly precise micro dissection in even timely surgery. The specific adeor® balanced handle design allows a relaxed and absolute non-fatigue handhold. All instruments are made of stainless steel and guaranteed state-of-the-art german precision cnc technology and craftsmanship. Our straight dissectors are having an enormous advantage of individual length adjustment within the limits of 200 and 270 mm as new option for straight adeor® dissectors. We are proud to serve micro- and neurosurgery over 30 years with our permanently innovated handheld micro instruments.

adeor® Instruments are made in Tuttlingen / Germany - the german center of excellence for medical technology.

We cordially thank to the many surgeons all over the world inspiring us with ideas for better instruments.

Einführung

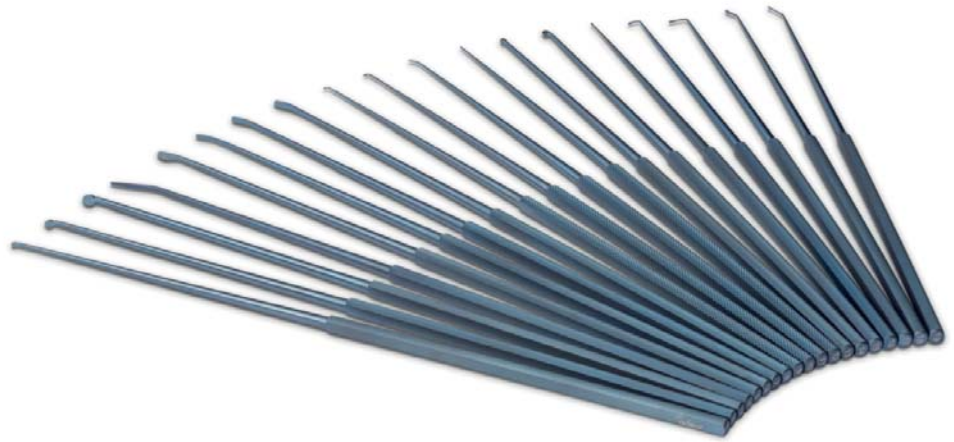
Die adeor® Mikro Dissektoren für die kraniale Neurochirurgie und Mikrochirurgie wurden speziell für das Arbeiten unter schwierigsten Bedingungen entwickelt. Durch die perfekte Balance der adeor® Mikro Dissektoren wird der physiologische Tremor unterdrückt und ein ermüdungsfreies Arbeiten möglich.

Alle adeor® Mikro Instrumente werden ausschließlich in Deutschland und nach den neuesten wissenschaftlichen und handwerklichen Erkenntnissen CNC unterstützt und aus Edelstahl gefertigt. Die geraden Dissektoren bieten als weiteren Vorteil gegenüber dem Wettbewerb die Möglichkeit einer individuellen Längeneinstellung von 200 bis 270 mm. Wir sind stolz, die Mikro- und Neurochirurgie seit mehr als 30 Jahren mit unseren innovativen Instrumenten zu begleiten.

Bei dieser Gelegenheit möchten wir uns herzlich bei den vielen Chirurgen bedanken, welche uns Tag für Tag neu inspirieren.

RHOTON SET TITANIUM

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE



The adeor® Titanium Micro Dissectors largely avoid the physiological tremor. This enables highly precise micro dissection in even timely surgery. The improved adeor® lightweight titanium handle design allows an absolute non-fatigue handhold. A number of tip designs has been innovated over the years.

Die adeor® Titan Dissektoren für die kraniale Neurochirurgie und Mikrochirurgie wurden speziell für das Arbeiten unter schwierigsten Bedingungen entwickelt. Durch die perfekte Balance und das geringe Gewicht der adeor® Titan Dissektoren wird der physiologische Tremor unterdrückt und ermüdungsfreies Arbeiten ermöglicht. Alle adeor® Titan Mikro-Instrumente werden ausschließlich in Deutschland und nach den neuesten wissenschaftlichen und handwerklichen Erkenntnissen CNC unterstützt aus Titan gefertigt.

PRODUCT

RHOTON SET TITANIUM

RHOTSET Contains 1 each of the following:



RHOT01 Dissector small, etched label #1, 1.3 mm tip width, 191 mm total length, titanium



RHOT02 Dissector medium, etched label #2, 2.3 mm tip width, 191 mm total length, titanium



RHOT03 Dissector large, etched label #3, 3.3 mm tip width, 191 mm total length, titanium



RHOT04 General purpose elevator small, etched label #4, 191 mm total length, titanium



RHOT05 General purpose elevator large, etched label #5, 191 mm total length, titanium



RHOT06 Spatula dissector small, etched label #6, 1.1 mm tip width, 191 mm total length, titanium



RHOT07 Spatula dissector medium, etched label #7, 1.7 mm tip width, 191 mm total length, titanium



RHOT08 Spatula dissector large, etched label #8, 2.1 mm tip width, 191 mm total length, titanium



RHOT09 Semi sharp hook 90°, etched label #9, 191 mm total length, titanium



RHOT10 Blunt hook 90°, etched label #10, 191 mm total length, titanium



RHOT11 Semi sharp hook 40°, etched label #11, 191 mm total length, titanium



RHOT12 Needle Point, sharp, straight, etched label #12, 191 mm total length, titanium



RHOT13 Curette, small, etched label #13, 1.6 mm tip width, 191 mm total length, titanium



RHOT14 Curette, large, etched label #14, 1.4 mm tip width, 191 mm total length, titanium



RHOT15 Teardrop dissector, straight, etched label #15, 3.0 mm tip width, 191 mm total length, titanium



RHOT16 Teardrop dissector, 90°, etched label #16, 3.0 mm tip width, 191 mm total length, titanium



RHOT17 Teardrop dissector, 90°, etched label #17, 5.0 mm tip width, 191 mm total length, titanium



RHOT18 Teardrop dissector, 40°, etched label #18, 4.0 mm tip width, 191 mm total length, titanium



RHOT19 Teardrop dissector, 40°, etched label #19, 8.0 mm tip width, 191 mm total length, titanium

RHOTCASE Set instrument case, stainless steel

STRAIGHT MICRO DISSECTORS

acc. to A. Perneczky

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE

The adeor® Straight Micro Dissectors largely avoid the physiological tremor. This enables highly precise micro dissection in even timely surgery. The improved adeor® balanced handle design allows an absolute non-fatigue handhold. All instruments are made of stainless steel and guaranteed state-of-the-art german precision cnc technology and craftsmanship. A number of tip designs has been innovated over the years.

Our Straight Micro Dissectors are available either with length adjustment within the limits of 200 and 270 mm or without length adjustment - custom made - in any requested length (200 - 270 mm). Integrated length adjustment is indicated with an additional **A** at the end of the article number.

Die adeor® Mikro Dissektoren für die kraniale Neurochirurgie und Mikrochirurgie wurden speziell für das Arbeiten unter schwierigsten Bedingungen entwickelt. Durch die perfekte Balance der adeor® Mikro Dissektoren wird der physiologische Tremor unterdrückt und ermüdungsfreies Arbeiten ermöglicht.

*Alle adeor® Mikro Instrumente werden ausschließlich in Deutschland und nach den neuesten wissenschaftlichen und handwerklichen Erkenntnissen CNC unterstützt aus Edelstahl gefertigt. Die geraden Dissektoren bieten als weiteren Vorteil gegenüber dem Wettbewerb die Möglichkeit der individuellen Längenverstellung von 200 bis 270 mm. Die Möglichkeit der Längenverstellung wird durch ein zusätzliches **A** am Ende der Artikelnummer ausgedrückt.*



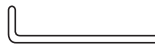
PRODUCT

STRAIGHT MICRO DISSECTORS



MD11A Micro Dissector, straight, blunt tip, Ø 0.8 mm, adjustable length 200 - 270 mm

MD11 Micro Dissector, straight, blunt tip, Ø 0.8 mm, custom made length (200 - 270 mm)



MD12-4-05A Micro Hook, 90°, blunt tip, Ø 0.5 mm x 4.0 mm, adjustable length 200 - 270 mm

MD12-4-05 Micro Hook, 90°, blunt tip, Ø 0.5 mm x 4.0 mm, custom made length (200 - 270 mm)

MD12-4-08A Micro Hook, 90°, blunt tip, Ø 0.8 mm x 4.0 mm, adjustable length 200 - 270 mm

MD12-4-08 Micro Hook, 90°, blunt tip, Ø 0.8 mm x 4.0 mm, custom made length (200 - 270 mm)



MD12-4-08SA Micro Hook, 90°, Ø 0.8 mm x 4.0 mm, cutting, adjustable length 200 - 270 mm

MD12-4-08S Micro Hook, 90°, Ø 0.8 mm x 4.0 mm, cutting, custom made length (200 - 270 mm)



MD13A Micro Spatula Dissector, slightly curved, blunt tip, adjustable length 200 - 270 mm

MD13 Micro Spatula Dissector, slightly curved, blunt tip, custom made length (200 - 270 mm)

MD13-1A Micro Spatula Dissector, straight, blunt tip, adjustable length 200 - 270 mm

MD13-1 Micro Spatula Dissector, straight, blunt tip, custom made length (200 - 270 mm)



MD14A Micro Dissector, slightly curved, blunt tip, Ø 0.8 mm, adjustable length 200 - 270 mm

MD14 Micro Dissector, slightly curved, blunt tip, Ø 0.8 mm, custom made length (200 - 270 mm)



MD15A Micro Dissector, strongly curved, blunt tip, Ø 0.8 mm, adjustable length 200 - 270 mm

MD15 Micro Dissector, strongly curved, blunt tip, Ø 0.8 mm, custom made length (200 - 270 mm)



MD16-05A Micro Dissector, slightly curved, balltip, Ø 0.5 mm, adjustable length 200 - 270 mm

MD16-05 Micro Dissector, slightly curved, balltip, Ø 0.5 mm, custom made length (200 - 270 mm)

MD16-08A Micro Dissector, slightly curved, balltip, Ø 0.8 mm, adjustable length 200 - 270 mm

MD16-08 Micro Dissector, slightly curved, balltip, Ø 0.8 mm, custom made length (200 - 270 mm)

STRAIGHT MICRO DISSECTORS
acc. to A. Pernechky

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE



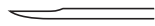
PRODUCT

STRAIGHT MICRO DISSECTORS



MD19-4-ptA Micro Hook, 90° angled, sharp, 4.0 mm pintip, adjustable length 200 - 270 mm

MD19-4-pt Micro Hook, 90° angled, sharp, 4.0 mm pintip, custom made length (200 - 270 mm)



MD21A Micro Scalpel, straight, sharp cutting, pintip, adjustable length 200 - 270 mm

MD21 Micro Scalpel, straight, sharp cutting, pintip, custom made length (200 - 270 mm)



MD22A Micro Sichel Dissector, curved, sharp cutting, pintip, adjustable length 200 - 270 mm

MD22 Micro Sichel Dissector, curved, sharp cutting, pintip, custom made length (200 - 270 mm)



MD23A Micro Scalpula, 45° upwards angled, sharp cutting, adjustable length 200 - 270 mm

MD23 Micro Scalpula, 45° upwards angled, sharp cutting, custom made length (200 - 270 mm)



MD29A Micro Tangential Dissector, straight, symmetric, cutting, adjustable length 200 - 270 mm

MD29 Micro Tangential Dissector, straight, symmetric, cutting, custom made length (200 - 270 mm)



MD25-1A Micro Disc Dissector, Ø 1.2 mm, sharp, 30° angled, adjustable length 200 - 270 mm

MD25-1 Micro Disc Dissector, Ø 1.2 mm, sharp, 30° angled, custom made length (200 - 270 mm)

MD25-2A Micro Disc Dissector, Ø 2.0 mm, sharp, 30° angled, adjustable length 200 - 270 mm

MD25-2 Micro Disc Dissector, Ø 2.0 mm, sharp, 30° angled, custom made length (200 - 270 mm)

MD25-3A Micro Disc Dissector, Ø 3.0 mm, sharp, 30° angled, adjustable length 200 - 270 mm

MD25-3 Micro Disc Dissector, Ø 3.0 mm, sharp, 30° angled, custom made length (200 - 270 mm)

MD25-4A Micro Disc Dissector, Ø 4.0 mm, sharp, 30° angled, adjustable length 200 - 270 mm

MD25-4 Micro Disc Dissector, Ø 4.0 mm, sharp, 30° angled, custom made length (200 - 270 mm)

MICRO BONE DISSECTORS

acc. to A. Perneczky

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE

The unique adeor® Micro Bone Dissectors allow even forceful and gentle instrument usage with utmost precision and control. A perfect instrument with the improved adeor® non-fatigue handhold and balance design. Especially useful for microsurgery and skull base surgery, i.e. orbital surgery, manipulation during canalis opticus surgery and Felsenbein surgery, acousticus neurinomas as well as spinal cord surgery and orthopedic microsurgery.

The Micro Bone Dissectors are available either with length adjustment within the limits of 170 and 240 mm or without length adjustment - custom made - in any requested length (170 - 240 mm). Integrated length adjustment is indicated with an additional **A** at the end of the article number.

Für kraftvollen Einsatz bei optimaler Kontrolle und Sicherheit sind adeor® Mikro Knochendissektoren die erste Wahl. Sie sind besonders geeignet für die Schädelbasischirurgie, die Wirbelsäulenchirurgie und feinste orthoüadische Eingriffe.

*Die adeor® Mikro Knochendissektoren sind entweder in fixen Längen von 170 - 240 mm oder mit variabler Längeneinstellung von 170 - 240 mm erhältlich. Die Möglichkeit der Längenverstellung wird durch ein zusätzliches **A** am Ende der Artikelnummer ausgedrückt.*



PRODUCT

MICRO BONE DISSECTORS



MD18A Micro Spatula, slightly curved, sharp, width 2.3 mm, adjustable length 170 - 240 mm

MD18 Micro Spatula, slightly curved, sharp, width 2.3 mm, custom made length (170 - 240 mm)



MD35-5 Raspatory, very gently curved, sharp tip, width 5.0 mm, custom made length (170 - 240 mm)

MD35-10 Raspatory, very gently curved, sharp tip, width 10.0 mm, custom made length (170 - 240 mm)

MD35-15 Raspatory, very gently curved, sharp tip, width 15.0 mm, custom made length (170 - 240 mm)



LC71-1A Cube Curette, 90° angled tip, width 1.2 mm, adjustable length 170 - 240 mm

LC71-1 Cube Curette, 90° angled tip, width 1.2 mm, custom made length (170 - 240 mm)

LC71-2A Cube Curette, 90° angled tip, width 2.0 mm, adjustable length 170 - 240 mm

LC71-2 Cube Curette, 90° angled tip, width 2.0 mm, custom made length (170 - 240 mm)

LC71-3A Cube Curette, 90° angled tip, width 3.0 mm, adjustable length 170 - 240 mm

LC71-3 Cube Curette, 90° angled tip, width 3.0 mm, custom made length (170 - 240 mm)



LC72-1A Cube Curette, 45° angled tip, width 1.2 mm, adjustable length 170 - 240 mm

LC72-1 Cube Curette, 45° angled tip, width 1.2 mm, custom made length (170 - 240 mm)

LC72-2A Cube Curette, 45° angled tip, width 2.0 mm, adjustable length 170 - 240 mm

LC72-2 Cube Curette, 45° angled tip, width 2.0 mm, custom made length (170 - 240 mm)

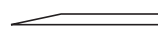
LC72-3A Cube Curette, 45° angled tip, width 3.0 mm, adjustable length 170 - 240 mm

LC72-3 Cube Curette, 45° angled tip, width 3.0 mm, custom made length (170 - 240 mm)



MD80A Micro Raspatory, slightly curved, sharp, width 3.0 mm, adjustable length 170 - 240 mm

MD80 Micro Raspatory, slightly curved, sharp, width 3.0 mm, custom made length (170 - 240 mm)



MD85-1 Micro Chisel, 1.2 mm tip, custom made length (170 - 240 mm)

MD85-2 Micro Chisel, 2.0 mm tip, custom made length (170 - 240 mm)

BAYONET MICRO DISSECTORS
acc. to A. Pernecky

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE


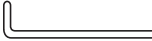




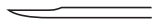

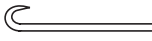
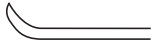

The Bayonet Micro Dissectors have been designed especially for key hole micro surgery. The bayonet design allows access to deep seated and narrow locations with a relaxed handhold and utmost fingertip control. Microscope vision is not impaired. The improved balance point handle design allows a non-fatigue handhold during surgery thus facilitates highly precise micro dissection. The physiological tremor is largely avoided. These micro dissectors come with the newly invented homogeneous handle profile for an even better instrument balance and grasp. The bayonet micro dissectors are designed for microsurgical procedures with narrow access. Available as 240 mm or 270 mm version. Desired length must be indicated at the end of the article number.

Die Bayonett Mikro Dissektoren wurden für die Key-Hole Mikrochirurgie entwickelt. Durch die Bayonettform kann selbst in tiefen anatomischen Regionen ohne visuelle Behinderung gearbeitet werden. Selbst das Mikroskop kann uneingeschränkt zum Einsatz kommen. Die Dissektoren sind perfekt ausbalanciert und erlauben ein absolut ermüdungsfreies Arbeiten, auch unter schwierigsten Bedingungen. Sie sind in den Längen 240 und 270 mm erhältlich.



PRODUCT

BAYONET MICRO DISSECTORS. LENGTH 240 / 270 mm

	BD11 Bayonet Dissector, straight, blunt tip, Ø 0.8 mm
	BD12-4-08 Bayonet Hook Dissector, blunt, 90° angled, Ø 0.8 mm tip
	BD14 Bayonet Dissector, slightly curved, Ø 0.8 mm, blunt tip
	BD15 Bayonet Dissector, strongly curved, Ø 0.8 mm, blunt tip
	BD16 Bayonet Balltip Dissector, slightly curved, 0.8 mm balltip
	BD19-4-PT Bayonet Hook Dissector, 4 mm, 90° angled, sharp pintip
	BD21 Bayonet Scalpel Dissector, straight, sharp
	BD22 Bayonet Sichel Dissector, sichel- shape, inside cutting, sharp
	BD22-2 Bayonet Sichel Hook Dissector, inside cutting, blunt tip
	BD23 Bayonet Dissector, slightly upwards abgled, sharp
	BD25-2 Bayonet Disc Dissector, 40° angled, Ø 2.0 mm tip, sharp, upwards cutting
	BD25-3 Bayonet Disc Dissector, 40° angled, Ø 3.0 mm tip, sharp, upwards cutting

VARIO BAYONET DISSECTORS
acc. to A. Markakis

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE

The Vario Bayonet Dissectors are designed in close cooperation with Prof. E. Markakis. The multidirectional instrument tips are adjustable in any direction thus enabling a non-fatigue and relaxed handhold in surgical areas which are otherwise accessible with awkward hand positions only. Especially useful for microsurgery with narrow anatomical access. A reasonable selection of suitable tip designs is available.

Vario Bayonet Ring Dissectors have similar design and balance. Their multidirectional feature of the adjustable tips offer an outstanding relaxed handhold in any working direction. All curettes are supplied in a sharp version. Blunt curettes must be indicated with "B" at the end of the article number.

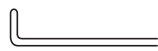
Available as 240 mm or 270 mm version. Desired length must be indicated at the end of the article number.

Die Vario Bayonett Dissektoren wurden in enger Zusammenarbeit mit Prof. E. Markakis entwickelt. Die Instrumentenspitzen sind 360° drehbar und können in jeder gewünschten Position fixiert werden. Auf diese Weise kann auch an Orten entspannt operiert werden, die sonst nur schwer zugänglich sind. Dieser Vorteil zeigt sich besonders bei tief liegenden Strukturen mit engem Zugang. Die Vario Bayonett Ring Dissektoren sind ähnlich konstruiert. Alle Ringmesser werden in scharfem Zustand ausgeliefert. Falls eine stumpfe Version gewünscht ist muss dies mit einem zusätzlichen " B " am Ende der Artikelnummer ausgedrückt werden. Erhältlich in 240 mm und 270 mm Länge.



PRODUCT

VARIO BAYONET DISSECTORS. LENGTH 240 / 270 mm



VD12-2-08 Vario Bayonet Hook Dissector, 90° angled, Ø 0.8 x 2 mm, blunt

VD12-4-08 Vario Bayonet Hook Dissector, 90° angled, Ø 0.8 x 4 mm, blunt



VD14 Vario Bayonet Dissector, slightly curved, Ø 0.8 mm, blunt



VD15 Vario Bayonet Dissector, strongly curved, Ø 0.8 mm, blunt



VD16 Vario Bayonet Dissector, slightly curved, blunt balltip Ø 0.8 mm



VD29 Vario Bayonet Tangential Dissector, straight, symmetric, sharp cutting



VD30-2 Vario Bayonet Cube Curette, Ø 2.0 mm, upwards cutting, slightly angled

VD30-3 Vario Bayonet Cube Curette, Ø 3.0 mm, upwards cutting, slightly angled

VD30-4 Vario Bayonet Cube Curette, Ø 4.0 mm, upwards cutting, slightly angled



VD31-2 Vario Bayonet Cube Curette, Ø 2.0 mm, upwards cutting, 60° angled

VD31-3 Vario Bayonet Cube Curette, Ø 3.0 mm, upwards cutting, 60° angled

VD31-4 Vario Bayonet Cube Curette, Ø 4.0 mm, upwards cutting, 60° angled



VD46-2 Vario Ring Dissector, 40° angled, Ø 2.0 mm, upwards cutting

VD46-3 Vario Ring Dissector, 40° angled, Ø 3.0 mm, upwards cutting

VD46-4 Vario Ring Dissector, 40° angled, Ø 4.0 mm, upwards cutting

VD46-5 Vario Ring Dissector, 40° angled, Ø 5.0 mm, upwards cutting



VD47-2 Vario Ring Dissector, 90° angled, Ø 2.0 mm, upwards cutting

VD47-3 Vario Ring Dissector, 90° angled, Ø 3.0 mm, upwards cutting

VD47-4 Vario Ring Dissector, 90° angled, Ø 4.0 mm, upwards cutting

VD47-5 Vario Ring Dissector, 90° angled, Ø 5.0 mm, upwards cutting

PERNECZKY DIAMOND DISSECTORS
acc. to A. Perneczky

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE

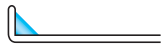
The well known Perneczky Diamond Dissectors have been designed for delicate dissecting where microscissors cause too much trauma risk to the tissue. Their unsurpassed sharpness helps where highest precision is needed.

Die bekannten Perneczky Diamant Dissektoren sind ein etabliertes Instrument wenn es um die Durchführung feinsten Schnitte geht. Sie sind äußerst schonend für umgebendes Gewebe.



PRODUCT

PERNECZKY DIAMOND DISSECTORS



DD12A Perneczky Diamond Hook, 90°, adjustable length 200 - 270 mm

DD12 Perneczky Diamond Hook, 90°, custom made length (200 - 270 mm)



DD11A Perneczky Diamond Dissector, straight, adjustable length 200 - 270 mm

DD11 Perneczky Diamond Dissector, straight, custom made length (200 - 270 mm)

DD16 Perneczky Vario Bayonet Diamond Dissector, straight, length 240 mm

DD17 Perneczky Vario Bayonet Diamond Dissector, straight, length 270 mm

LUMENTA DISSECTORS
acc. to Ch. Lumenta

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE

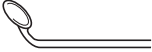












Especially selected dissectors by Ch. Lumenta with unique instrument tip designs for microsurgical and intracranial interventions such as transphenoidal, supracerebellar, infratentorial and other processes. The ergonomic instrument design corresponds to the straight adeor® dissectors with its outstanding balance and non-fatigue handhold. The total length is adjustable from 200 - 270 mm thus enabling easier access to any surgical operating depth. Lumenta Dissectors can also be used where shorter instruments are of an advantage for better tip movement and control.

Eine speziell von Prof. Christiano Lumenta entwickelte Auswahl gerader Mikro Dissektoren für die intrakranielle Chirurgie sowie Mikrochirurgie. Die adeor® Lumenta Dissektoren bauen auf den geraden adeor® Mikro Dissektoren auf und bieten die gleichen ergonomischen Vorteile. Als weiteren Vorteil bieten sie die Möglichkeit der Längenverstellung von 200 - 270 mm.



PRODUCT

LUMENTA DISSECTORS. ADJUSTABLE LENGTH 200 - 270 mm

	ZLU01 Disc Dissector, 45° angled, sharp, Ø 2.0 mm
	ZLU03 Disc Dissector, 45° angled, sharp, Ø 3.0 mm
	ZLU02 Disc Dissector, 60° angled, blunt, Ø 3.0 mm
	ZLU04 Disc Dissector, 45° bayonet tip, blunt, Ø 2.0 mm
	ZLU05 Dissector, straight, blunt, Ø 1.0 mm
	ZLU06 Balltip Dissector, blunt sideball, Ø 1.0 mm
	ZLU07 Raspatory Dissector, 45° angled tip, blunt, 6.0 x 3.1 mm
	ZLU08 Sichelhook Dissector, sharp, inside cutting
	ZLU09 Ring Dissector, Ø 5.0 mm, 90° sideways angled, sideways cutting
	ZLU10 Cube Dissector, 4.0 x 2.0 mm, 45° angled tip, upwards cutting
	ZLU11 Ring Dissector, Ø 5.0 mm, straight, sideways cutting
	ZLU12 Hook Dissector, 90° angled, Ø 1.0 x 5.0 mm, blunt
	ZLU13 Mini Hook Dissector, 90° angled, 1.0 x 3.0 mm, blunt

MICRO SCISSORS

acc. to H. P. Ammerer

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE

The solid ergonomic balance of the adeor® Micro Scissors together with the one-finger-activation offers an unknown precision and movement control whilst cutting and dissecting. Only one blade moves whilst the other remains in its desired position without uncomfortable extra movements well known from other symmetric scissors designs. Precision dissection can be performed with more ease, a relaxed handhold and a non-fatigue fingertip grasp. The physiological tremor is largely avoided in particular timely surgery. Especially useful for microsurgery, intracranial dissection and skull base surgery.

Das ergonomisch ausbalancierte Design der adeor® Mikro Scheren bietet zusammen mit der Ein-Finger-Aktivierung eine bisher nicht gekannte Kontrolle während des Schneidens. Bei adeor® Mikro Scheren bewegt sich nur eine Klinge während des Schneidvorgangs. Dadurch wird hochpräzises Arbeiten möglich, wie man es von den konventionellen symmetrischen Scheren nicht kennt. Unsere Scheren sind die perfekten Begleiter für die kraniale, Schädelbasis- und Wirbelsäulenchirurgie sowie die mikrochirurgische Präparieren.



Micro Scissors 170 mm

Bayonet Scissors 270 mm

PRODUCT

MICRO SCISSORS



MICRO SCISSORS length 170 / 200 mm

MS21-1 Micro Scissors, straight blades, length 170 mm

MS21-2 Micro Scissors, straight blades, length 200 mm



MICRO SCISSORS length 170 / 200 mm

MS22-1 Micro Scissors, upwards curved blades, length 170 mm

MS22-2 Micro Scissors, upwards curved blades, length 200 mm



BAYONET MICRO SCISSORS length 240 / 270 mm

MS21-3 Bayonet Micro Scissors, straight blades, length 240 mm

MS21-4 Bayonet Micro Scissors, straight blades, length 270 mm



BAYONET MICRO SCISSORS length 240 / 270 mm

MS22-3 Bayonet Micro Scissors, upwards curved blades, length 240 mm

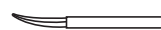
MS22-4 Bayonet Micro Scissors, upwards curved blades, length 270 mm



TUBESHAFT MICRO SCISSORS length 240 / 270 mm

TSS21-3 Tubeshaft Micro Scissors, straight blades, total length 240 mm

TSS21-4 Tubeshaft Micro Scissors, straight blades, total length 270 mm



TUBESHAFT MICRO SCISSORS length 240 / 270 mm

TSS22-3 Tubeshaft Scissors, slightly curved, length 240 mm

TSS22-4 Tubeshaft Scissors, slightly curved, length 270 mm

MICRO SUCTION DEVICES

acc. to H. P. Ammerer

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE

The suction device is one of the most used instruments in the hand of the surgeon. Precision and utmost control is needed by these frequently used instruments. The adeor® Micro suction device design corresponds to the unique adeor® micro instrument design. A solid grasp and the best possible balance in the surgeons hand enable the necessary precision and fingertip control to the surgeon. Especially useful in microsurgery, cranial, skull base and spine surgery. We offer a large variety of working lengths and tip diameters.

Der Sauger ist eines der am häufigsten verwendeten chirurgischen Instrumente. Von diesen Instrumenten wird höchste Präzision und Kontrolle erwartet. Das Design der adeor® Mikro Sauger ist stark an das Design der Mikro Instrumente angelehnt um auch hier ein perfekt ausbalanciertes Instrument anbieten zu können. Neben der Balance ist der sichere Halt und die gute Kontrollierbarkeit der adeor® Mikro Sauger ein weiterer Vorteil. Die Sauger sind in den gängigen Längen und Durchmessern erhältlich.



ERGO Suction Device

Slotted Suction Device

PRODUCT**MICRO SUCTION INSTRUMENTS****SUCTION HOOKS**

- VERSR2** ERGO Suction Hook, Ø 2 mm, 3 mm hook, working length 80 mm
- VERSR3** ERGO Suction Hook, Ø 3 mm, 3 mm hook, working length 80 mm

SLOTTED SUCTION DEVICES length 90 / 120 / 160 mm

- MA1-1** Slotted Suction Device, Ø 1.2 mm, length 90 mm
- MA1-2** Slotted Suction Device, Ø 1.2 mm, length 120 mm
- MA1-3** Slotted Suction Device, Ø 1.2 mm, length 160 mm
- MA2-1** Slotted Suction Device, Ø 2.0 mm, length 90 mm
- MA2-2** Slotted Suction Device, Ø 2.0 mm, length 120 mm
- MA2-3** Slotted Suction Device, Ø 2.0 mm, length 160 mm
- MA3-1** Slotted Suction Device, Ø 3.0 mm, length 90 mm
- MA3-2** Slotted Suction Device, Ø 3.0 mm, length 120 mm
- MA3-3** Slotted Suction Device, Ø 3.0 mm, length 160 mm
- MA4-1** Slotted Suction Device, Ø 4.0 mm, length 90 mm
- MA4-2** Slotted Suction Device, Ø 4.0 mm, length 120 mm
- MA4-3** Slotted Suction Device, Ø 4.0 mm, length 160 mm
- MA5-1** Slotted Suction Device, Ø 5.0 mm, length 90 mm
- MA5-2** Slotted Suction Device, Ø 5.0 mm, length 120 mm
- MA5-3** Slotted Suction Device, Ø 5.0 mm, length 160 mm

ERGO SUCTION DEVICES

- ESD00** ERGO Suction Device Set
- ESD01** ERGO Suction Device Handle
- ESD1-5s** ERGO Suction Device Insert, Ø 1.5 x 80 mm
- ESD2-5s** ERGO Suction Device Insert, Ø 2.5 x 80 mm
- ESD1-5i** ERGO Suction Device Insert, Ø 1.5 x 120 mm
- ESD2-5i** ERGO Suction Device Insert, Ø 2.5 x 120 mm

MICRO NEEDLE HOLDERS

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE



Micro Needle Holder



Spring Needle Holder



Ringhandle Needle Holder

adeor® micro needle holders have a similar ergonomic micro instrument design as the adeor® micro scissors. Our needle holders are a suitable selection of adequate high class needleholders for microsurgery.

adeor® Mikro Nadelhalter haben eine vergleichbare Bauform wie die adeor® Mikro Scheren. Unsere Nadelhalter sind die perfekten Begleiter für die Mikrochirurgie.

PRODUCT

MICRO NEEDLE HOLDERS



MICRO NEEDLE HOLDERS with tungsten carbide insert

NH30-1 Micro Needle Holder, slightly curved jaw with TC-Grip insert, length 170 mm

NH30-4 Micro Needle Holder, slightly curved jaw with TC-Grip insert, length 200 mm



SPRING NEEDLE HOLDERS with tungsten carbide insert

NH32-1 Spring Needle Holder, short, straight jaw with TC-Grip insert

NH32-2 Spring Needle Holder, medium, straight jaw with TC-Grip insert

NH32-3 Spring Needle Holder, long, straight jaw with TC-Grip insert



RINGHANDLE NEEDLE HOLDER with tungsten carbide insert

NH31 Ringhandle Needle Holder, straight jaw with TC-Grip insert

MICRO FORCEPS

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE

adeor® Micro Forceps have excellent balance for non-fatigue handhold and grasp. This largely avoids the physiological tremor. Various tip designs fit the various indications in microsurgery.

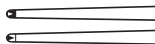
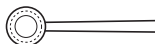
adeor® Mikro Pinzetten erlauben Dank ihrer perfekten Balance ein weitgehend ermüdungsfreies Arbeiten. Sie sind auf die Bedürfnisse der kraniellen, Schädelbasis- und Mikrochirurgie zugeschnitten.



Bayonet Forceps

PRODUCT

MICRO FORCEPS

**FORCEPS WITH DELICATE TIP** 0.5 / 0.8 mm tip - length 170 / 240 / 270 mm**MF11** Micro Forceps, straight, 0.5 mm tip, length 170 mm**MF11-4** Bayonet Forceps, straight, 0.5 mm tip, length 240 mm**MF11-7** Bayonet Forceps, straight, 0.5 mm tip, length 270 mm**MF12** Micro Forceps, straight, 0.8 mm tip, length 170 mm**MF12-4** Bayonet Forceps, straight, 0.8 mm tip, length 240 mm**MF12-7** Bayonet Forceps, straight, 0.8 mm tip, length 270 mm**FORCEPS WITH SPOONSHAPED JAW** Ø 2.0 / 3.0 / 4.0 mm - length 240 / 270 mm**LP55-2** Bayonet Forceps, spoonshaped jaw, Ø 2.0 mm, length 240 mm**LP56-2** Bayonet Forceps, spoonshaped jaw, Ø 2.0 mm, length 270 mm**LP55-3** Bayonet Forceps, spoonshaped jaw, Ø 3.0 mm, length 240 mm**LP56-3** Bayonet Forceps, spoonshaped jaw, Ø 3.0 mm, length 270 mm**LP55-4** Bayonet Forceps, spoonshaped jaw, Ø 4.0 mm, length 240 mm**LP56-4** Bayonet Forceps, spoonshaped jaw, Ø 4.0 mm, length 270 mm**SURGICAL DRESSING FORCEPS 1 x 2 TEETH** Ø 0.8 / 1.2 mm - length 170 mm**MF15** Micro Forceps, surgical, straight, 0.8 mm jaw, 1 x 2 teeth, length 170 mm**MF16** Micro Forceps, surgical, angled, 0.8 mm jaw, 1 x 2 teeth, length 170 mm**MF17** Forceps, surgical, straight, 1.2 mm jaw, 1 x 2 teeth, length 170 mm**BAYONET GRASPING FORCEPS** Ø 2.0 / 3.0 mm - length 240 / 270 mm**GP51-2** Bayonet Grasping Forceps, serrated jaw, Ø 2.0 mm, length 240 mm**GP52-2** Bayonet Grasping Forceps, serrated jaw, Ø 2.0 mm, length 270 mm**GP51-3** Bayonet Grasping Forceps, serrated jaw, Ø 3.0 mm, length 240 mm**GP52-3** Bayonet Grasping Forceps, serrated jaw, Ø 3.0 mm, length 270 mm

RONGEURS / LAMINECTOMY RONGEURS

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE

Kerrison Rongeurs



Rongeurs



PRODUCT

RONGEURS / LAMINECTOMY RONGEURS



KERRISON RONGEURS 90° upwards cutting - working length 180 mm

- LR1** Laminectomy Rongeur, 90° upwards cutting, 1.2 mm
- LR2** Laminectomy Rongeur, 90° upwards cutting, 2.0 mm
- LR3** Laminectomy Rongeur, 90° upwards cutting, 3.0 mm
- LR4** Laminectomy Rongeur, 90° upwards cutting, 4.0 mm
- LR5** Laminectomy Rongeur, 90° upwards cutting, 5.0 mm



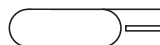
KERRISON RONGEURS 40° upwards cutting - working length 180 mm

- LR1-2** Laminectomy Rongeur, 40° upwards cutting, 1.2 mm
- LR2-2** Laminectomy Rongeur, 40° upwards cutting, 2.0 mm
- LR3-2** Laminectomy Rongeur, 40° upwards cutting, 3.0 mm
- LR4-2** Laminectomy Rongeur, 40° upwards cutting, 4.0 mm
- LR5-2** Laminectomy Rongeur, 40° upwards cutting, 5.0 mm



RONGEURS straight - working length 150/180 mm

- MR2-1** Rongeur, straight, 2.0 x 10.0 mm jaw, working length 180 mm
- MR2-2** Rongeur, straight, 2.0 x 10.0 mm jaw, working length 150 mm
- MR3-1** Rongeur, straight, 3.0 x 10.0 mm jaw, working length 180 mm
- MR3-2** Rongeur, straight, 3.0 x 10.0 mm jaw, working length 150 mm
- MR4-1** Rongeur, straight, 4.0 x 10.0 mm jaw, working length 180 mm
- MR4-2** Rongeur, straight, 4.0 x 10.0 mm jaw, working length 150 mm



RONGEURS 40° upwards angled - working length 150/180 mm

- MR5-1** Rongeur, 40° upwards angled, 2.0 x 10.0 mm jaw, working length 180 mm
- MR5-2** Rongeur, 40° upwards angled, 2.0 x 10.0 mm jaw, working length 150 mm
- MR6-1** Rongeur, 40° upwards angled, 3.0 x 10.0 mm jaw, working length 180 mm
- MR6-2** Rongeur, 40° upwards angled, 3.0 x 10.0 mm jaw, working length 150 mm
- MR7-1** Rongeur, 40° upwards angled, 4.0 x 10.0 mm jaw, working length 180 mm
- MR7-2** Rongeur, 40° upwards angled, 4.0 x 10.0 mm jaw, working length 150 mm

DETACHABLE KERRISON RONGEURS

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE

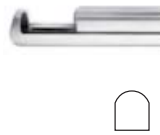
Detachable Kerrison Rongeurs





PRODUCT

DETACHABLE KERRISON RONGEURS



DETACHABLE KERRISON RONGEURS 90° upwards cutting - working length 180 mm

KRD 180-90-U1	Rongeur, 1-click detachable, 90° upwards cutting, 180 mm, 1.0 mm
KRD 180-90-U2	Rongeur, 1-click detachable, 90° upwards cutting, 180 mm, 2.0 mm
KRD 180-90-U3	Rongeur, 1-click detachable, 90° upwards cutting, 180 mm, 3.0 mm
KRD 180-90-U4	Rongeur, 1-click detachable, 90° upwards cutting, 180 mm, 4.0 mm
KRD 180-90-U5	Rongeur, 1-click detachable, 90° upwards cutting, 180 mm, 5.0 mm



DETACHABLE KERRISON RONGEURS 90° upwards cutting - working length 200 mm

KRD 200-90-U1	Rongeur, 1-click detachable, 90° upwards cutting, 200 mm, 1.0 mm
KRD 200-90-U2	Rongeur, 1-click detachable, 90° upwards cutting, 200 mm, 2.0 mm
KRD 200-90-U3	Rongeur, 1-click detachable, 90° upwards cutting, 200 mm, 3.0 mm
KRD 200-90-U4	Rongeur, 1-click detachable, 90° upwards cutting, 200 mm, 4.0 mm
KRD 200-90-U5	Rongeur, 1-click detachable, 90° upwards cutting, 200 mm, 5.0 mm



DETACHABLE KERRISON RONGEURS 45° upwards cutting - working length 180 mm

KRD 180-45-U1	Rongeur, 1-click detachable, 45° upwards cutting, 180 mm, 1.0 mm
KRD 180-45-U2	Rongeur, 1-click detachable, 45° upwards cutting, 180 mm, 2.0 mm
KRD 180-45-U3	Rongeur, 1-click detachable, 45° upwards cutting, 180 mm, 3.0 mm
KRD 180-45-U4	Rongeur, 1-click detachable, 45° upwards cutting, 180 mm, 4.0 mm
KRD 180-45-U5	Rongeur, 1-click detachable, 45° upwards cutting, 180 mm, 5.0 mm



DETACHABLE KERRISON RONGEURS 45° upwards cutting - working length 200 mm

KRD 200-45-U1	Rongeur, 1-click detachable, 45° upwards cutting, 200 mm, 1.0 mm
KRD 200-45-U2	Rongeur, 1-click detachable, 45° upwards cutting, 200 mm, 2.0 mm
KRD 200-45-U3	Rongeur, 1-click detachable, 45° upwards cutting, 200 mm, 3.0 mm
KRD 200-45-U4	Rongeur, 1-click detachable, 45° upwards cutting, 200 mm, 4.0 mm
KRD 200-45-U5	Rongeur, 1-click detachable, 45° upwards cutting, 200 mm, 5.0 mm

FAHLBUSCH HYPOPHYSECTOMY SPECULAE

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE



Fahlbusch Speculae are without sharp edges or teeth for better tissue protection. Our black design largely protects the eyes of the surgeon.

Fahlbusch Spekula sind komplett frei von scharfen Kanten und Ecken, wodurch das umliegende Gewebe einen optimalen Schutz erfährt. Die schwarze Beschichtung macht sie absolut spiegelfrei.

- | | |
|-------------|--|
| FHS1 | FAHLBUSCH-SPECULA I tip closed and rounded, working length 90 mm |
| FHS2 | FAHLBUSCH-SPECULA II wide open tip, short version, working length 90 mm |
| FHS3 | FAHLBUSCH-SPECULA III wide open tip, long version, working length 100 mm |
| NS01 | Transnasal Speculum, short |
| NS02 | Transnasal Speculum, long |

CONIC SPATULAE WITH MEMORY

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE



The tips of the conic spatulae blades can be bent with ease and thus be very useful for tissue retraction. The memory material will straighten with each autoclaving cycle.

Die Spitzen der konischen Spatel können leicht in jede gewünschte Position gebogen werden. Das Memory Material stellt nach Autoklavierung die Originalform der Spatel wieder her.

- CS1** Conic Spatula small, small tip, total length 200 mm
- CS2** Conic Spatula medium, small tip, total length 200 mm
- CS3** Conic Spatula medium, large tip, total length 200 mm
- CS4** Conic Spatuls large, x-large tip, total length 200 mm

NASAL SPREADER

adeor® MICRO INSTRUMENTS
FEEL THE DIFFERENCE



The nasal spreader is a useful retractor for hypophysectomy or lumbar approach.

Der Nasenspreizer ist besonders für die Hypophysektomie und den lumbalen Zugang geeignet.

NS51 Nasal Spreader, working length 51 mm

NS63 Nasal Spreader, working length 63 mm

NS76 Nasal Spreader, working length 76 mm







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