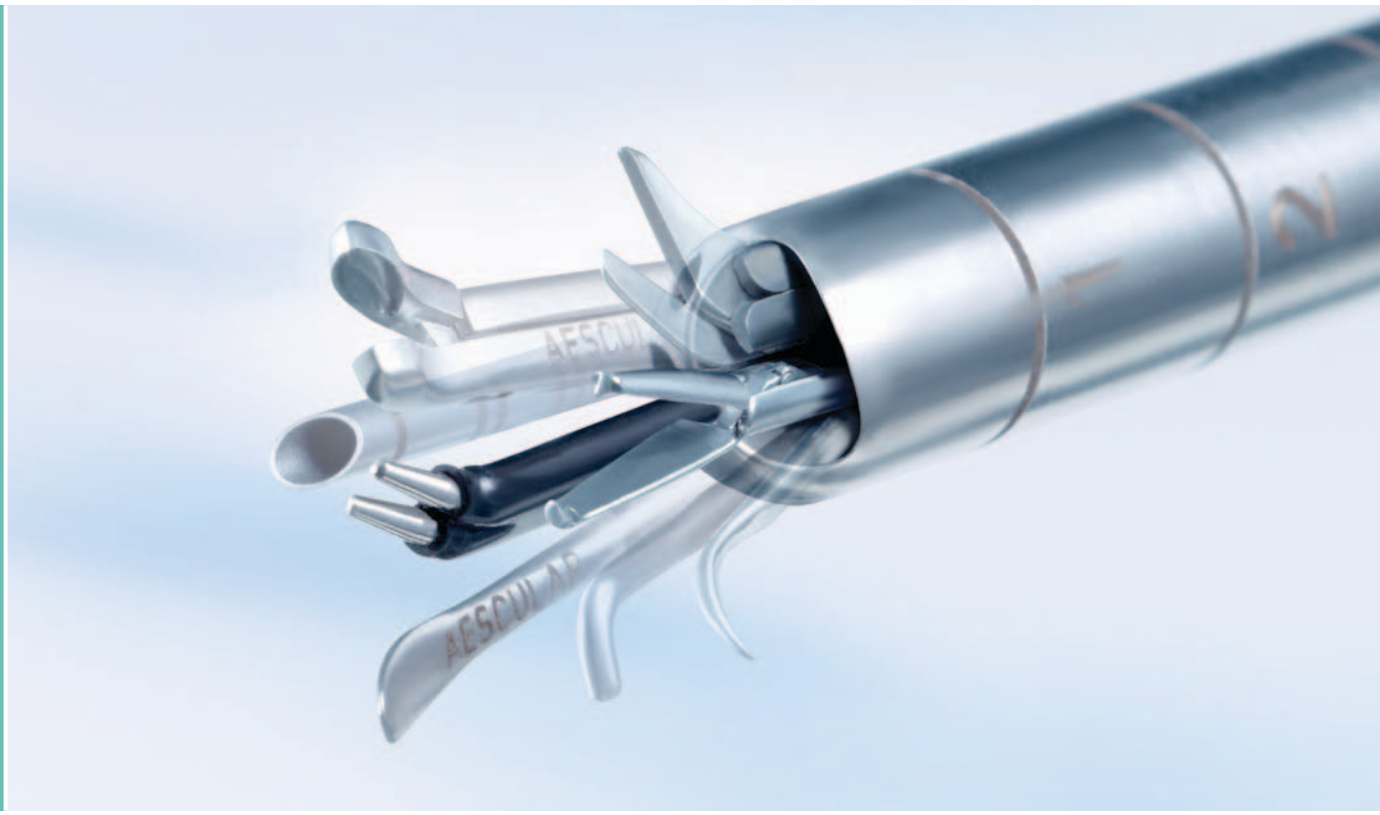
Aesculap® MINOP® InVent

Advanced Intraventricular Neuroendoscopy



Aesculap Neurosurgery

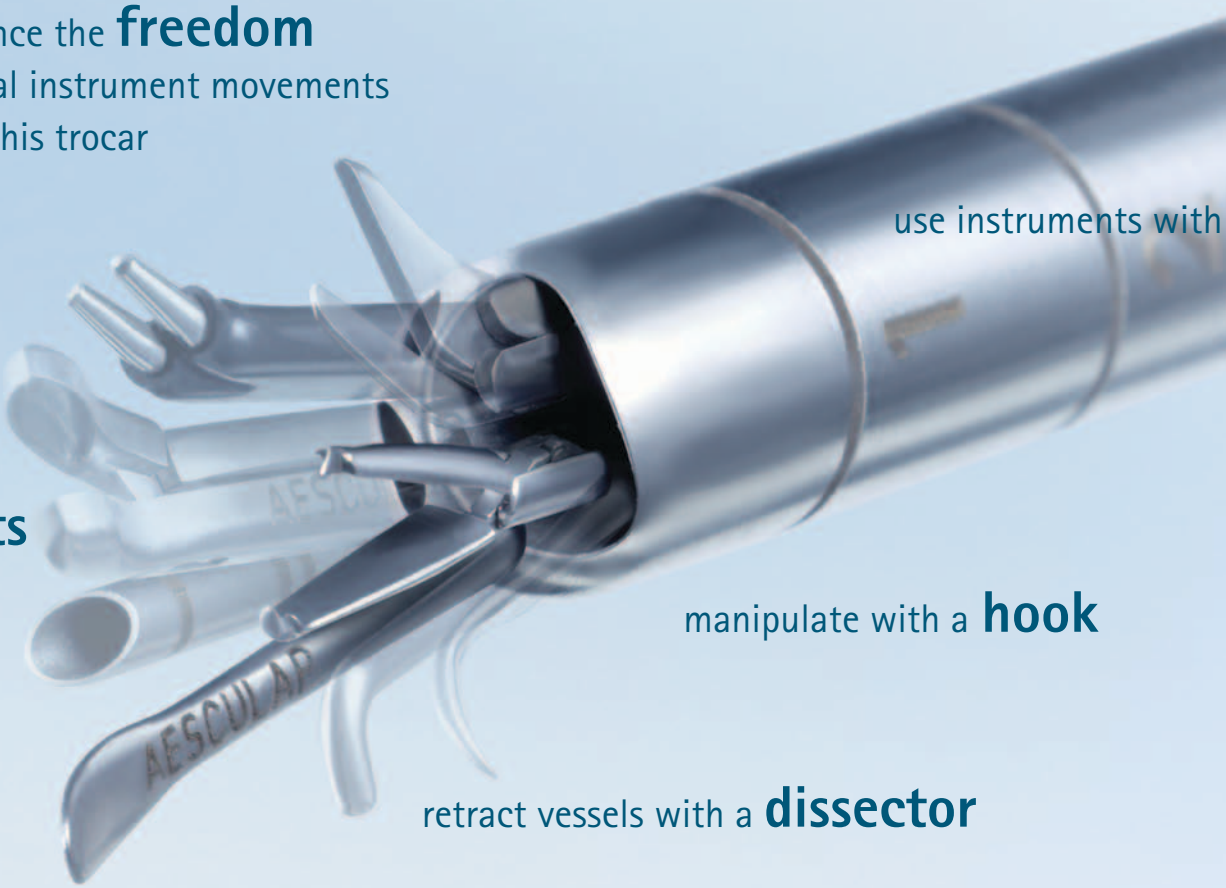
B BRAUN
SHARING EXPERTISE

Advanced Intraventricular Neuroendoscopy

MINOP® InVent offering MORE for your patients

experience the **freedom**
of lateral instrument movements
within this trocar

use instruments with



have up to **32**
instruments
available

manipulate with a **hook**

retract vessels with a **dissector**

have you ever operated through an
oval working channel?

cut membranes with a **knife**

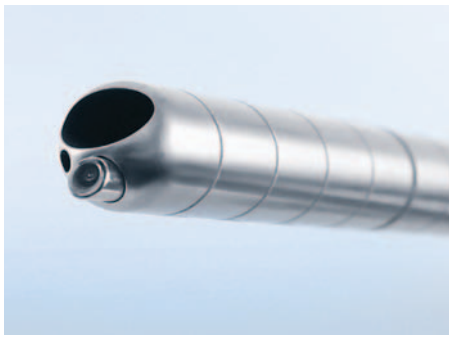
through **LESS** invasive techniques

Advanced Intraventricular Neuroendoscopy

MINOP® InVent – Full Set

1 Holding Arm and Accessories
2 Tube Shaft Instruments
3 Shaft Instruments
4 Obturators
5 Trocar
6 30° Scope
7 Dissectors, Hook, Knife
8 Flexible Instruments
9 Bipolar Electrodes
10 Monopolar Electrodes

MINOP® InVent – Trocar and Scope



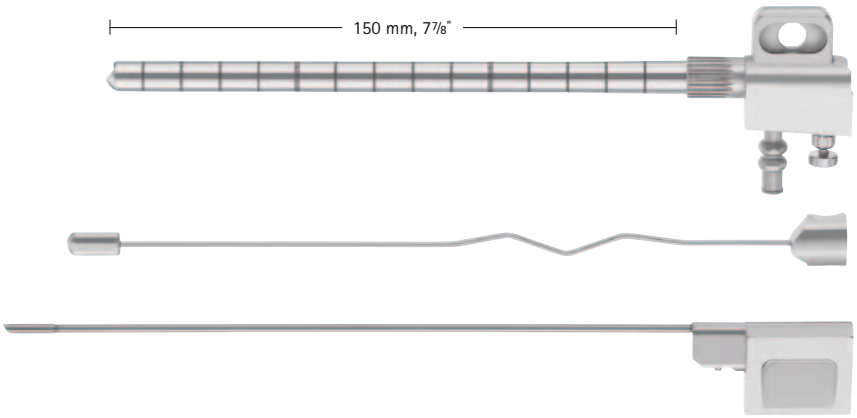
FH620R

Outer diameter: 8.3 mm, 3(4) channels

- Scope channel: diam. 2.8 mm
- Irrigation channel: diam. 1.0 mm

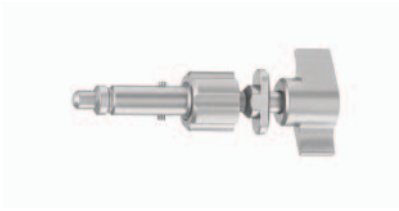
Two merging channels:

- Large working/overflow channel: 3.7 mm x 6.5 mm
- Small working channel: diam. 2.2 mm
- Including 2 obturators for scope channel and large working/overflow channel



RT068R

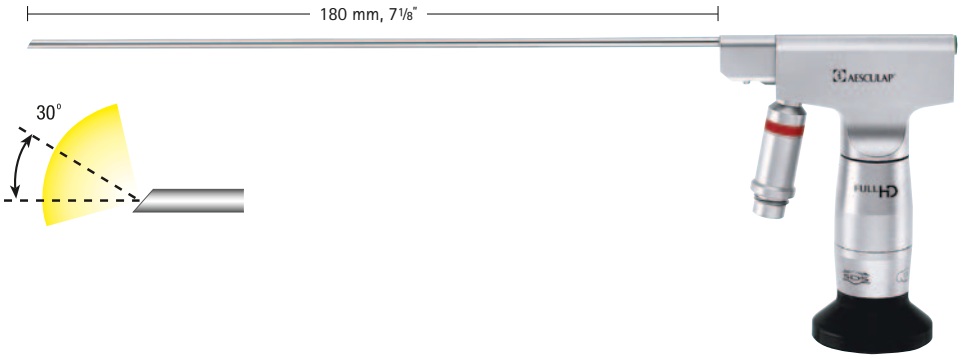
MINOP® InVent holding arm adapter for Aesculap holding arms



PE204A

MINOP® endoscope

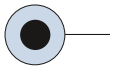
- Direction of view 30°, upwards (red ring)
- Shaft diameter 2.7 mm
- Shaft length 180 mm
- Autoclavable



Advanced Intraventricular Neuroendoscopy

MINOP® InVent – Instruments



FH629R

MINOP® InVent dissector,
tip width 2.2 mm

FH630R

MINOP® InVent dissector,
tip width 1.7 mm

FH631R

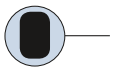
MINOP® InVent dissector,
tip width 1.0 mm

FH632R

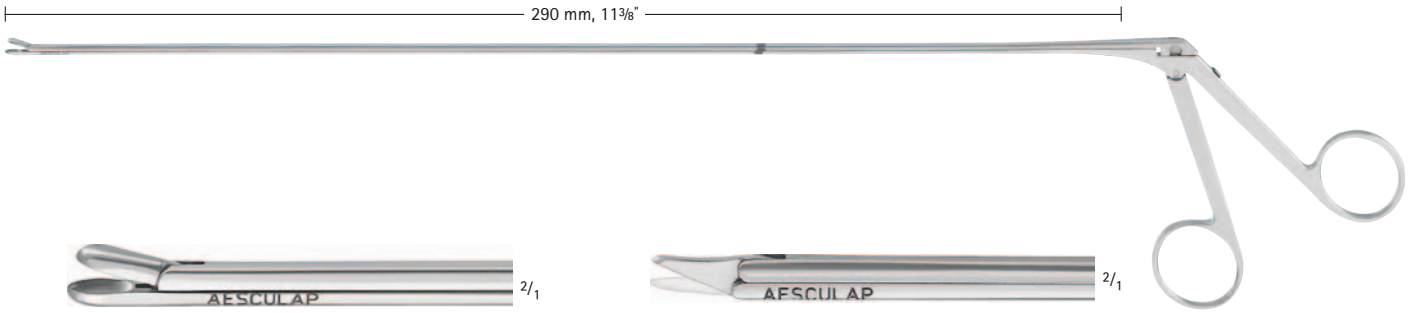
MINOP® InVent hook 90° blunt,
hook deflection width 3.5 mm

FH634R

MINOP® InVent knife, backwards cutting,
knife deflection width 3.0 mm



Width/Height:
2.0 mm x 3.1 mm



FH621R

MINOP® InVent forceps straight

FH622R

MINOP® InVent forceps right

FH623R

MINOP® InVent forceps left

FH624R

MINOP® InVent grasping forceps straight

FH625R

MINOP® InVent scissors straight

FH626R

MINOP® InVent scissors left

FH627R

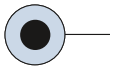
MINOP® InVent scissors right

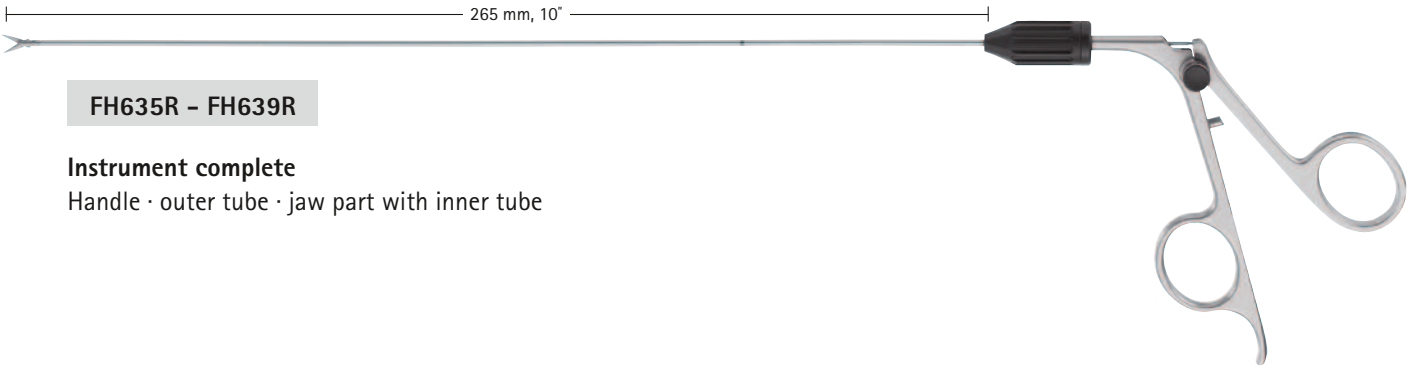
FH628R

MINOP® InVent scissors upwards

Advanced Intraventricular Neuroendoscopy

MINOP® InVent – Instruments | Complete instruments





FH635R – FH639R

Instrument complete
Handle · outer tube · jaw part with inner tube

FH635R

MINOP® InVent scissors
sharp/sharp

FH638R

MINOP® InVent grasping and dissecting forceps

FH636R

MINOP® InVent scissors
blunt/blunt

FH639R

MINOP® InVent surgical forceps

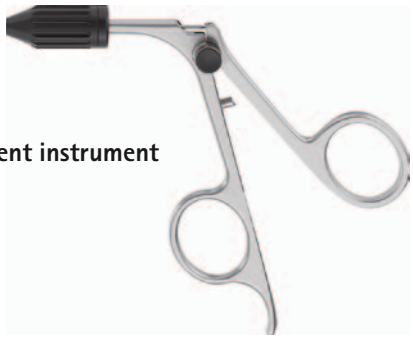
FH637R

MINOP® InVent biopsy forceps

MINOP® InVent – Instruments | Spare parts

FH635200

MINOP® InVent outer tube only



FH633R

MINOP® InVent instrument handle only

FF435R

MINOP® InVent scissors, jaw part
sharp/sharp

FF438R

MINOP® InVent grasping and dissecting forceps, jaw part

FF436R

MINOP® InVent scissors, jaw part
blunt/blunt

FF439R

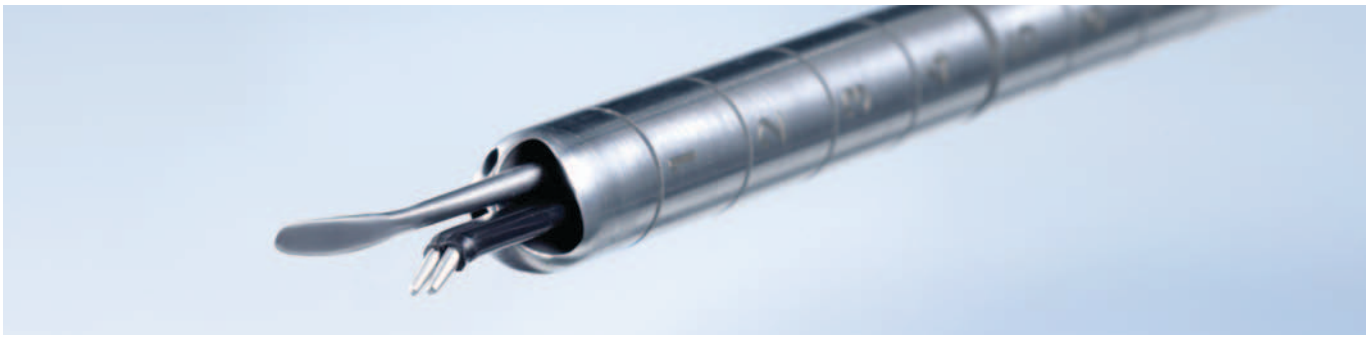
MINOP® InVent surgical forceps, jaw part

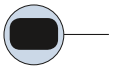
FF437R

MINOP® InVent biopsy forceps, jaw part

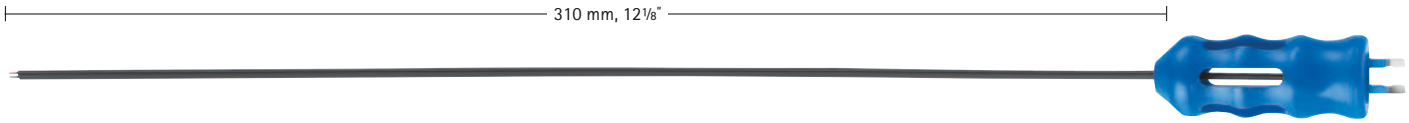
Advanced Intraventricular Neuroendoscopy

MINOP® InVent – Bipolar Electrodes





Width/Height:
3.2 mm x 2.1 mm



GK343R

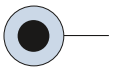
MINOP® InVent bipolar electrode 0°

GK345R

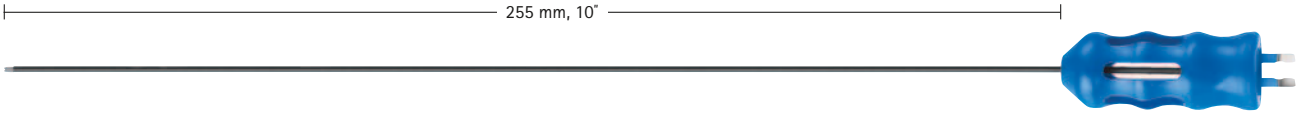
MINOP® InVent bipolar electrode 30°

GK344R

MINOP® InVent bipolar electrode 40°



2.1 mm



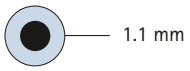
GK360R

Bipolar electrode 0°

GN140

Bipolar cable 4 m
Aesculap tab connector

MINOP® InVent – Monopolar Electrodes



GK361R

Blunt electrode, diam. 1.1 mm

GK363R

Needle electrode, diam. 1.1 mm

GK365R

Hook electrode, 70°, diam. 2.2 mm

GK362R

Hook electrode, 90°, diam. 2.2 mm

GK366R

Hook electrode, 180°, diam. 2.2 mm

GK364R

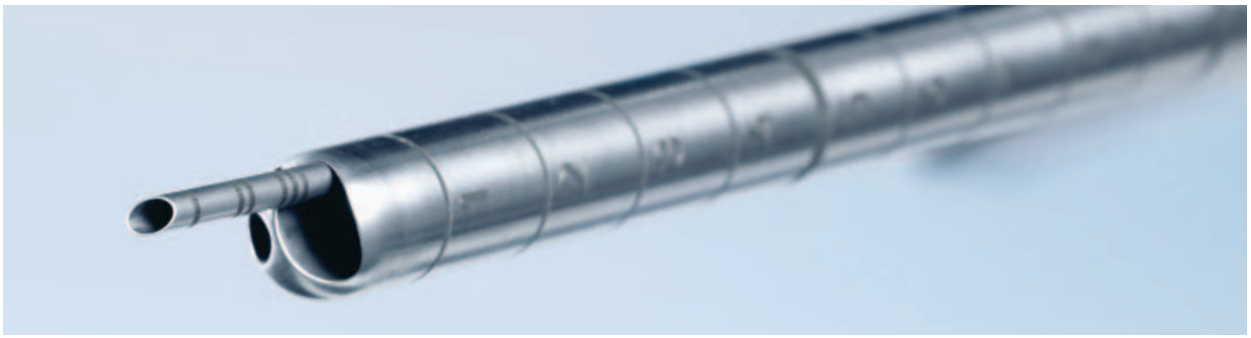
Hook electrode, 45°, diam. 2.2 mm

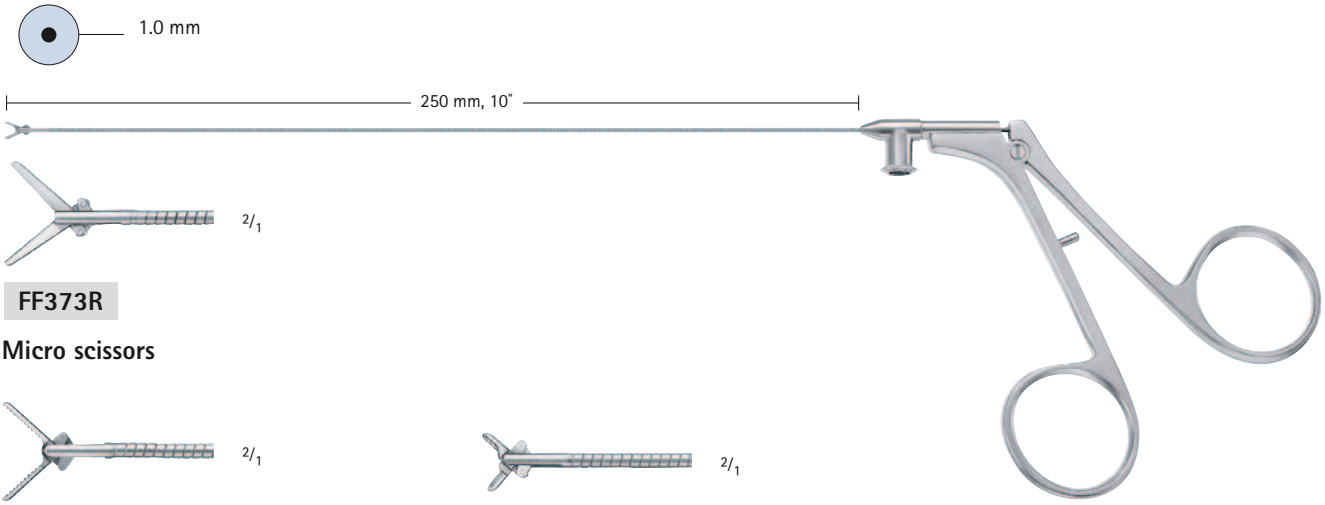
GN202

Monopolar cable,
suitable for GN300, GN640

Advanced Intraventricular Neuroendoscopy

MINOP® InVent – Flexible Instruments





FF373R

Micro scissors

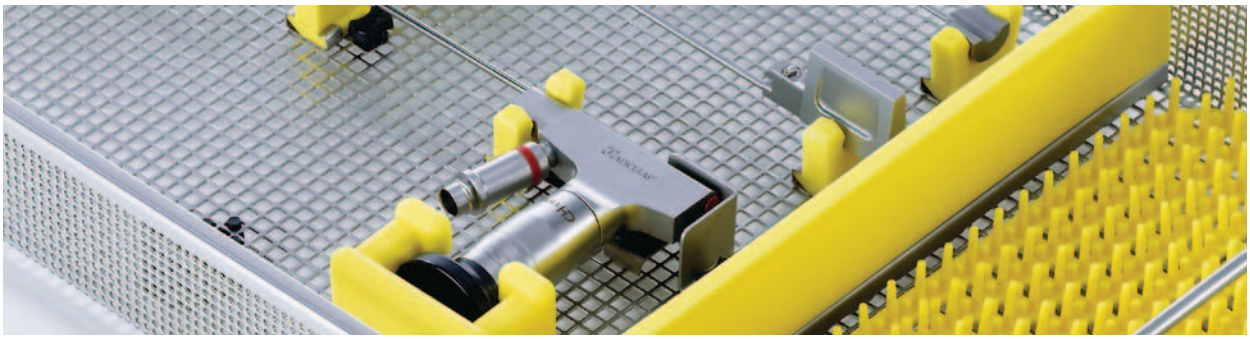
FF374R

Micro grasping and dissecting forceps

FF378R

Micro biopsy forceps

MINOP® InVent – Storage



FH358R

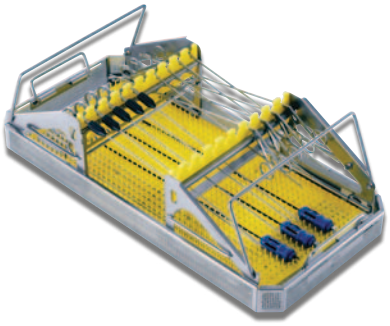
Storage rack for MINOP® InVent trocar and scope
with silicone protection and cushioning bottom and lid
Only for reprocessing, not for transportation/shipment

L/W/H 540 x 253 x 56 mm

FH359R

Storage rack for MINOP® InVent instruments and electrodes
with silicone protection and cushioning bottom and lid
Only for reprocessing, not for transportation/shipment

L/W/H 540 x 253 x 166 mm



JK440

Container body 1/1
for FF358R
without base perforation

Outside/Inside dimensions
with lid:
L/W/H 592 x 285 x 112 mm
L/W/H 544 x 258 x 75 mm

JK444

Container body 1/1
for FF359R
without base perforation

Outside/Inside dimensions
with lid:
L/W/H 592 x 285 x 209 mm
L/W/H 544 x 258 x 172 mm

JK486

Container lid 1/1
blue

Advanced Intraventricular Neuroendoscopy

M-Trac - Mechanical Holding Arm

FF168R

M-TRAC

- Flexible holding device with mechanical fixation
- Assembly: flexible holding arm with integrated fixation bar
- Total length: 107 cm
- Length of fixation bar: 46 cm
- Diameter of fixation bar: 20 mm
- Total weight: 0,7 kg
- Holding force: 4 kg
- Easy mechanical fixation by clamping handle
- Small, flexible joints for fine positioning
- Autoclavable 134°C, 5 minutes
- Full range of accessories/adapters for connecting Aesculap endoscopes, trocars and instruments
- Holding arm fits into regular Standard 1/1 Container

FF280R

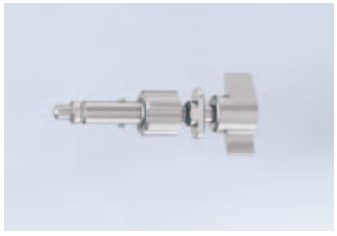
Flexible fixing element with ball joint suitable for FF168R

RT090R

Flexible fixing element with sprocket suitable for FF168R

FF151R

Rigid fixation element suitable for FF168R



RT068R

MINOP® InVent holding arm adapter for Aesculap holding arms

Aesculap Academy




Innovative developments in the field of medical technology, sophisticated new treatment methods, increasingly more stringent requirements for hospital and quality management and, last but not least, a healthy interest in acquiring new knowledge have given rise to an enormous and ever-increasing demand for further and advanced training.

The Aesculap Academy enjoys a world-wide reputation as a leading forum for medical training and answers the demands of physicians and medical staff in OR, anaesthesia, ward, outpatient care and hospital management. The course program comprises a wide range of hands-on workshops, management seminars and international symposia.

Aesculap Academy courses are of premium quality and are accredited by the respective medical societies and international medical organizations. A scientific advisory board guarantees the perfect selection of speakers and topics.

All of our courses are conducted by pioneering neurosurgeons who will address the theoretical knowledge of neuroendoscopy, cranial endoscopic anatomy, and clinical applications of neuroendoscopy. Each course includes extensive hands-on sessions or possibly live surgeries. Course attendees will benefit from discussions and analysis of real cases together with expert colleagues from all over the world. The training facilities of the Aesculap Academy in Berlin and Tuttlingen are traditional and spectacular locations for "sharing expertise".

Competence to master the future – keep yourself fit for the future and ask for the latest course programme offerings, e.g.

- Intracranial Neuroendoscopy Course
- Advanced Intracranial Neuroendoscopy Course
- Master Course Intracranial Neuroendoscopy

Visit our website and register for one of the next neuroendoscopy courses -
www.aesculap-neuro.com or www.aesculap-academy.com
or contact your local B. Braun Aesculap representative.

AESCULAP ACADEMY

www.aesculap-neuro.com or
www.aesculap-academy.com

Aesculap AG | Am Aesculap-Platz | 78532 Tuttlingen | Germany
Phone +49 7461 95-0 | Fax +49 7461 95-26 00 | www.aesculap.com

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