



NEUROSURGERY

AESCULAP[®] MINOP[®] InVent

Advanced Intraventricular Neuroendoscopy

ADVANCED INTRAVENTRICULAR NEUROENDOSCOPY

MINOP® InVent

MINOP® InVent offering MORE for

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

have up to **32**
INSTRUMENTS
available

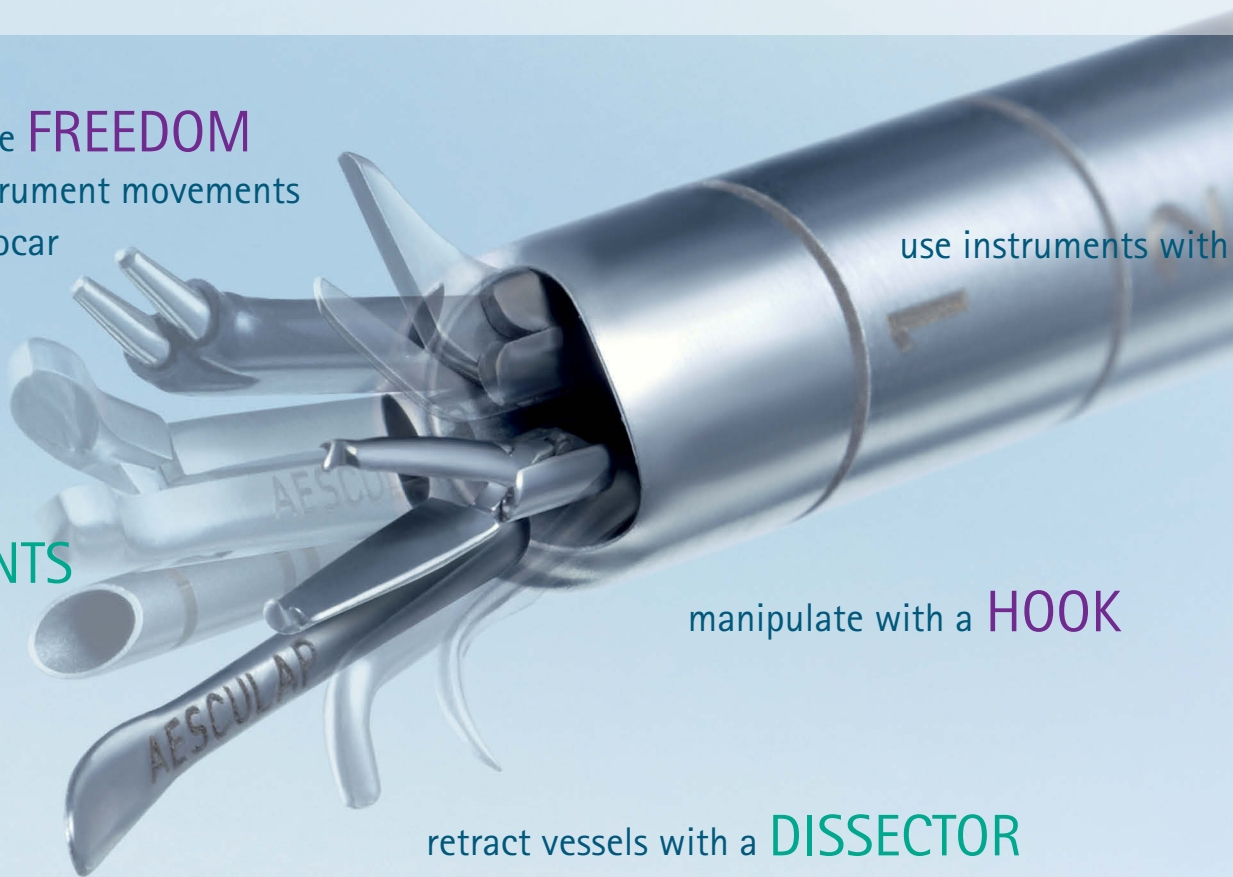
use instruments with

manipulate with a **HOOK**

retract vessels with a **DISSECTOR**

have you ever operated through an
OVAL WORKING CHANNEL?

cut membranes with a **KNIFE**





your patients through **LESS** invasive techniques

MINIMIZE intraparenchymal
trocar movements

ANGLED TIPS

true bi-instrumental
**GRASPING AND
CUTTING**

**MICRO SURGICAL
FLEXIBILITY** meets
intraventricular goals

ENJOY THE VIEW,
see the jaw of your endoscopic
instrument

ADVANCED INTRAVENTRICULAR NEUROENDOSCOPY

MINOP® InVent – FULL SET



MINOP® InVent – TROCAR AND ENDOSCOPE



- Larger trocar with an oval working channel allows innovative treatment options and multi-directional flexibility
- Bi-instrumental technique is similar to traditional Micro Neurosurgery, due to the increased freedom of movement
- For the first time, angled instruments can be used
- Up to 32 different instruments usable

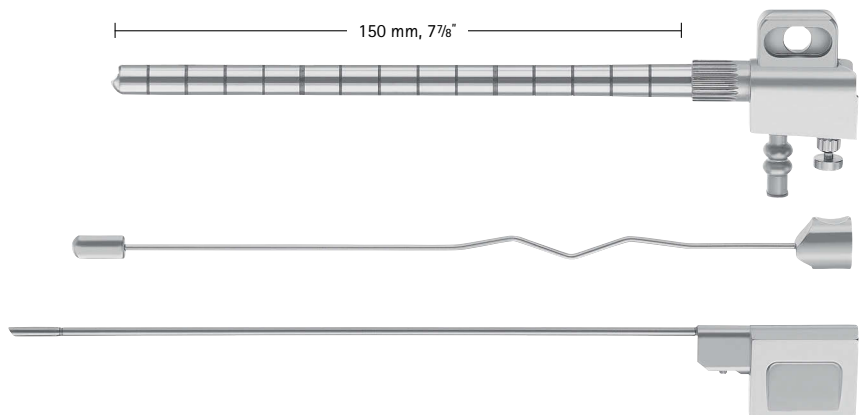
FH620R

Outer diam.: 8.3 mm, 3(4) channels

- Endoscope channel: diam. 2.8 mm
- Irrigation channel: diam. 1.4 mm

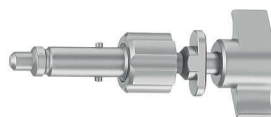
2 merging channels:

- Large working/overflow channel: 3.7 mm x 6.5 mm
- Small working channel: diam. 2.2 mm



RT068R

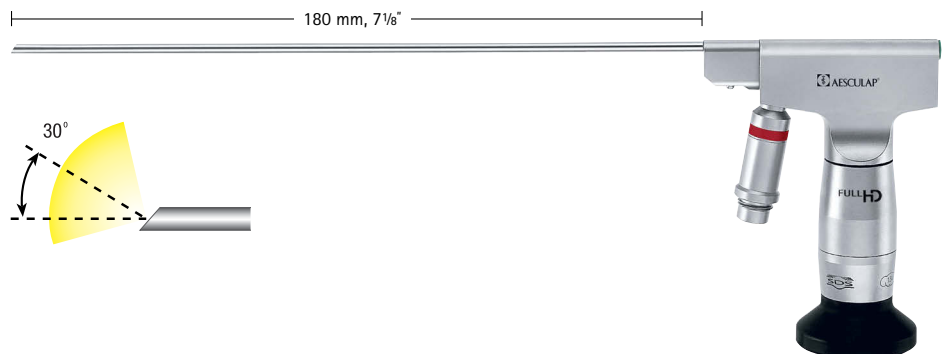
MINOP® InVent adapter for fixation of MINOP® InVent trocar FH620R



PE204A

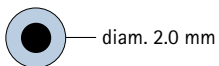
MINOP® InVent angled endoscope

- Direction of view 30°, upwards (red ring)
- Shaft diam. 2.7 mm
- Autoclavable



ADVANCED INTRAVENTRICULAR NEUROENDOSCOPY

MINOP® InVent – DISSECTORS, HOOK, KNIFE



FH629R

MINOP® InVent dissector,
tip width 2.2 mm



FH632R

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



FH630R

MINOP® InVent dissector,
tip width 1.7 mm



FH634R

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



FH631R

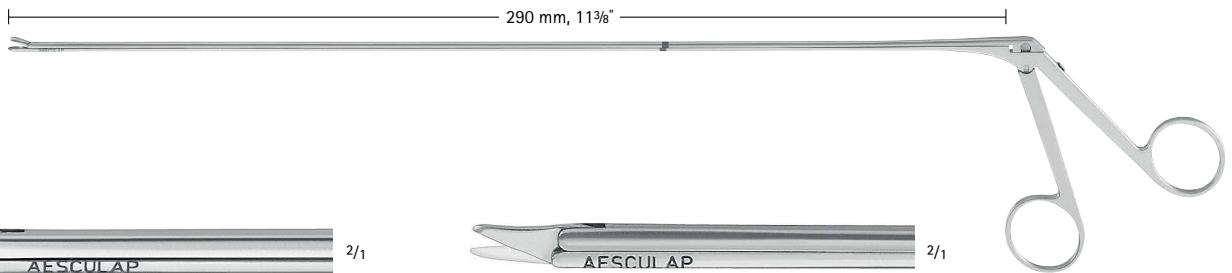
MINOP® InVent dissector,
tip width 1.0 mm

MINOP® InVent – SHAFT INSTRUMENTS



Width x Height:
2.0 mm x 3.1 mm

■ Instruments, non-detachable



FH621R

MINOP® InVent forceps,
straight



FH625R

MINOP® InVent scissors,
straight



FH622R

MINOP® InVent forceps,
right



FH626R

MINOP® InVent scissors,
left



FH623R

MINOP® InVent forceps,
left



FH627R

MINOP® InVent scissors,
right



FH624R

MINOP® InVent grasping forceps,
straight

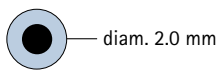


FH628R

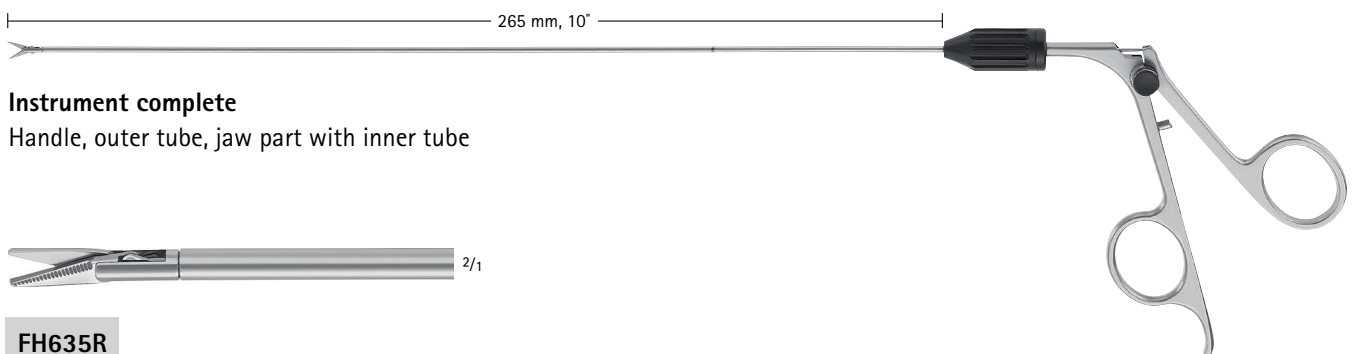
MINOP® InVent scissors,
upwards

ADVANCED INTRAVENTRICULAR NEUROENDOSCOPY

MINOP® InVent – TUBE SHAFT INSTRUMENTS



- Instruments, detachable
- Rotation wheel for rotation of working end



Instrument complete

Handle, outer tube, jaw part with inner tube



FH635R

MINOP® InVent scissors,
sharp / sharp



FH636R

MINOP® InVent scissors,
blunt / blunt



FH638R

MINOP® InVent grasping and dissecting forceps



FH637R

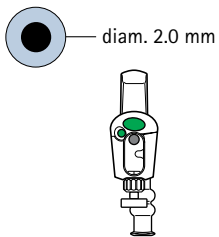
MINOP® InVent biopsy forceps



FH639R

MINOP® InVent surgical forceps,
1 x 2 teeth

MINOP® InVent – TUBE SHAFT INSTRUMENTS | SPARE PARTS



FH635200

MINOP® InVent outer tube,
only



FF435R

MINOP® InVent scissors,
jaw part, sharp / sharp



FF436R

MINOP® InVent scissors,
jaw part, blunt / blunt



FF437R

MINOP® InVent biopsy forceps,
jaw part

FH633R

MINOP® InVent instrument handle,
only



FF438R

MINOP® InVent grasping and dissecting forceps,
jaw part



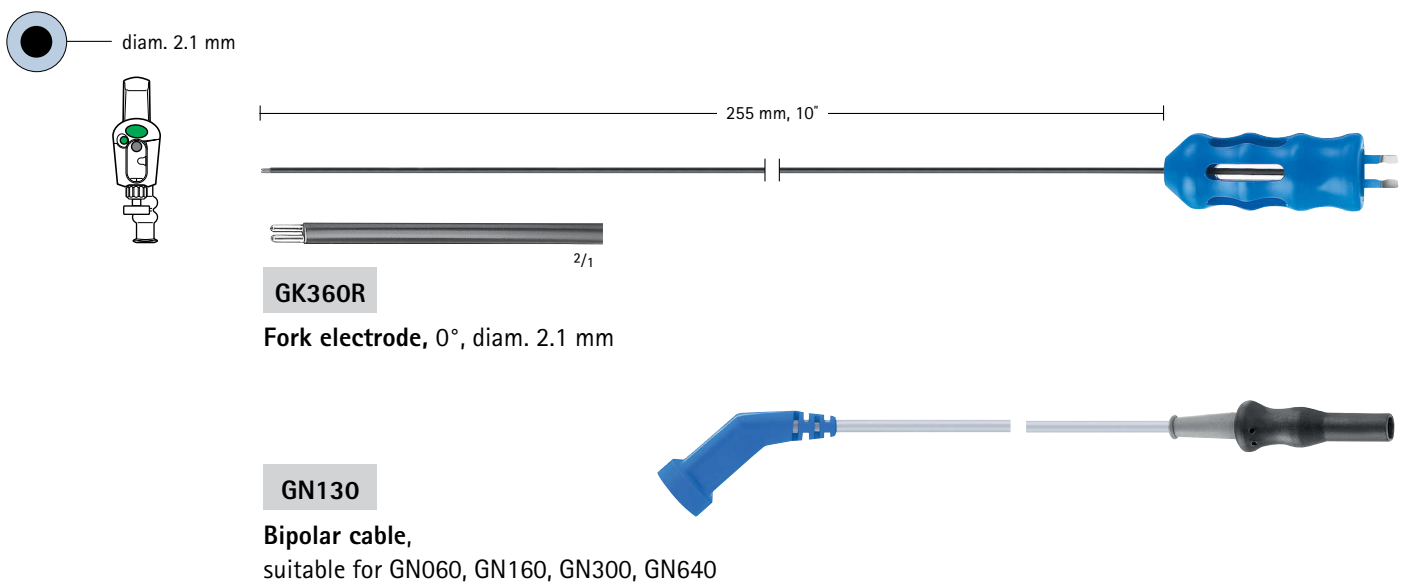
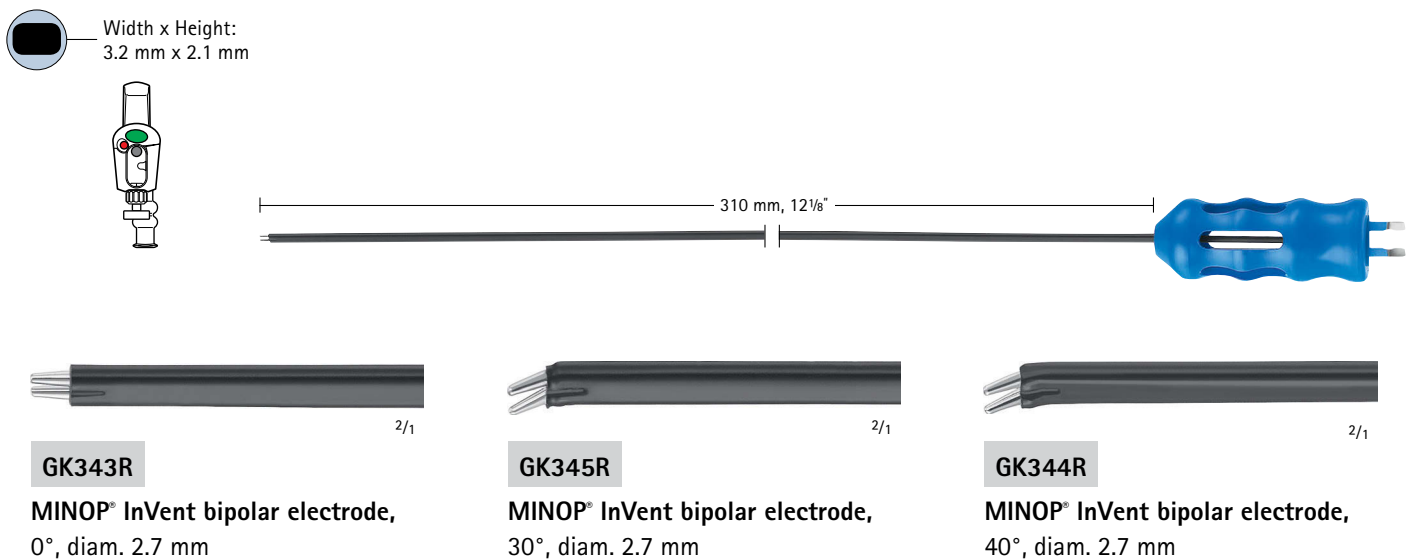
FF439R

MINOP® InVent surgical forceps,
jaw part, 1 x 2 teeth

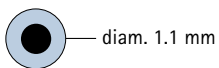


ADVANCED INTRAVENTRICULAR NEUROENDOSCOPY

MINOP® InVent – BIPOLAR ELECTRODES



MINOP® InVent – MONOPOLAR ELECTRODES



GK361R

Blunt electrode, diam. 1.1 mm



GK363R

Needle electrode, diam. 1.1 mm



GK364R

Hook electrode, 45°, diam. 2.2 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

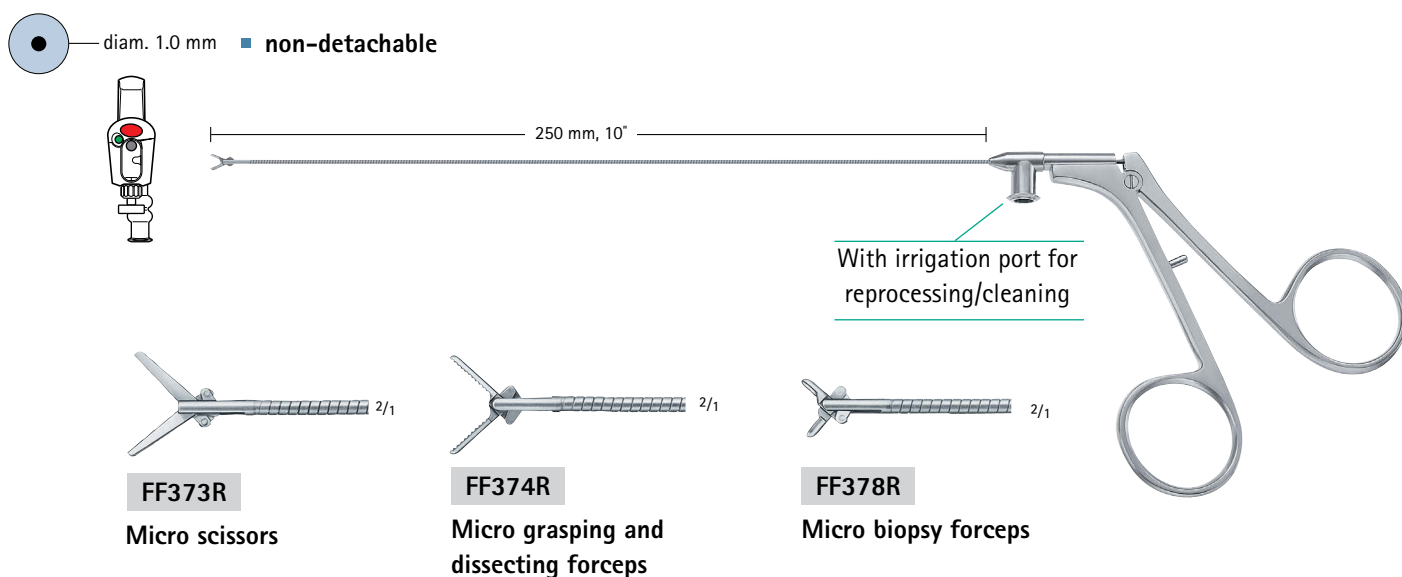
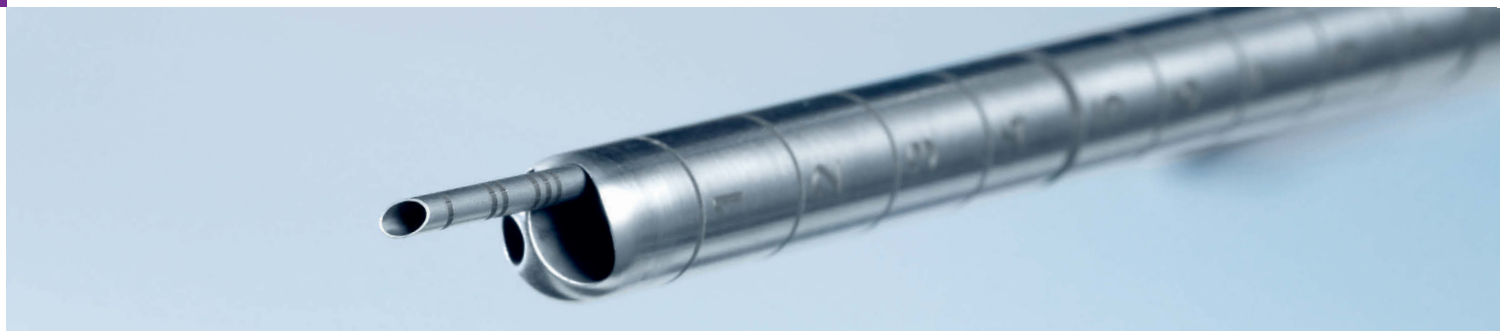
GN202

Monopolar cable, length 3.5 m
suitable for GN300, GN640



ADVANCED INTRAVENTRICULAR NEUROENDOSCOPY

MINOP® InVent – FLEXIBLE INSTRUMENTS AND SUCTION CANNULAS



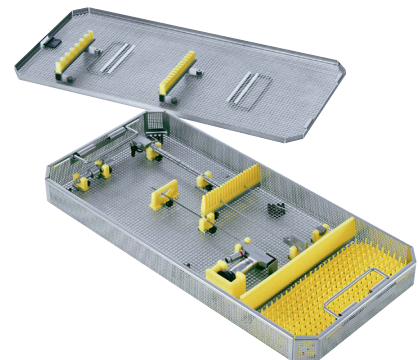


FH358R

Storage rack for MINOP® InVent trocar and endoscope

- With silicone protection, cushioning, tray and lid
- Only for reprocessing, not for transportation/shipment

L/W/H 540 x 253 x 56 mm

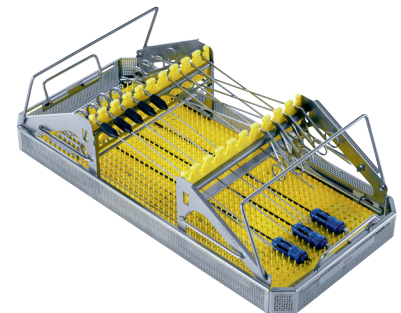


FH359R

Storage rack for MINOP® InVent instruments and electrodes

- With silicone protection, cushioning, tray without lid (lid not necessary)
- Only for reprocessing, not for transportation/shipment (instruments not included)

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 108 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 DEVICE



FF168R

M-TRAC® - Flexible holding device with mechanical fixation

- 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
- 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, see brochure no. C40402



FF280R

Flexible fixing element with ball joint, suitable for RT040R and FF168R



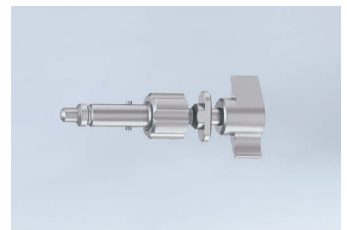
RT090R

Flexible fixing element with sprocket, suitable for RT040R and FF168R



FF151R

Rigid fixation element, suitable for RT040R and FF168R

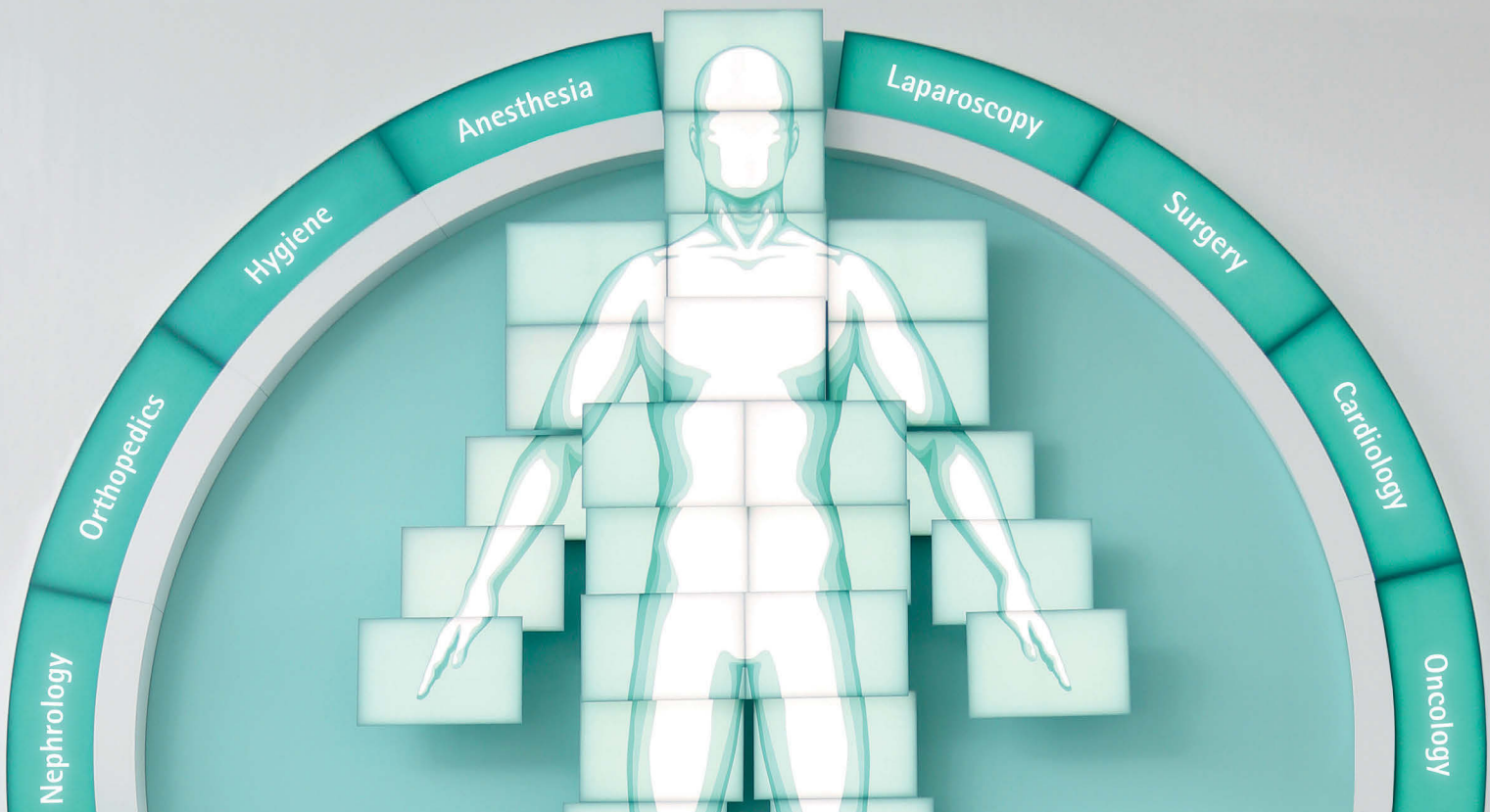


RT068R

MINOP® InVent holding arm adapter for Aesculap® holding arms

AESCULAP ACADEMY

Forum for contemporary medicine.



Technical developments, new treatment methods, hospital management – the requirements placed on today's medical professionals are varied, which is why high-quality continuing professional development is more important than ever. This is precisely what Aesculap Academy stands for.

Its aim is clear: The Aesculap Academy wants to keep medical and specialist staff in hospitals and practices fit for the future. Founded in 1995 under the B. Braun Group, the Aesculap Academy is seen today around the world as an important forum for medical training and further professional education. It works with an interdisciplinary, independent and international approach and it strives for long-term partnerships. Thanks to tailored and interrelated modules, the participants can continually develop and build up their knowledge and skills throughout their career. This means they are always as well prepared as possible for their daily work and future tasks.

Take part in one of our international Neuroendoscopy courses.

For detailed information and registration please visit our website „www.aesculap-neuro.com“ or „www.aesculap-academy.com“ or contact your local B. Braun Aesculap representative.

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