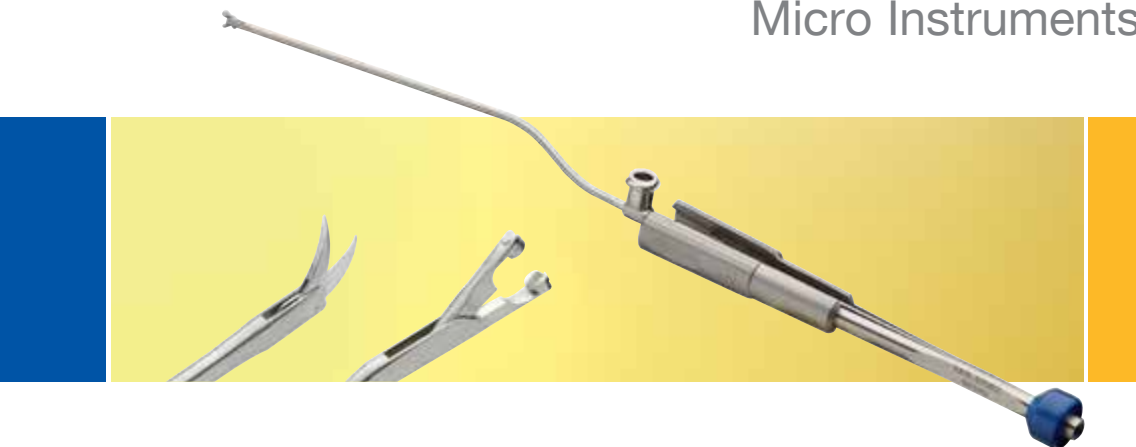


SEPEHRNIA Neurosurgical Micro Instruments



SEPEHRNIA Neurosurgical Micro Instruments

Neurosurgical interventions place great demands on the surgeon's fine motor skills and require an instrument set which allows him to meet these demands as closely as possible.

With the SEPEHRNIA micro instruments, KARL STORZ is introducing a range of instruments which manages to combine functionality and ergonomics with many years of surgical experience, thereby producing an outstanding instrument set. In particular, the bayonet-shaped design – one of the instrument's most significant design features – provides improved vision of the operation site and more precise handling, resulting in strikingly optimized work.

The particularly slim design, featuring a sheath diameter of just 2 mm, takes the difficult anatomic structures and the limited minimally invasive approach into account. Special care was devoted to ensuring that the sheath remains stable even under load and does not 'deflect', despite its extremely fine design.

The micro instruments are available in a variety of sizes and with various working tips, such as scissors, forceps or clip-applying forceps. The various instrument types are color-coded to facilitate their identification.

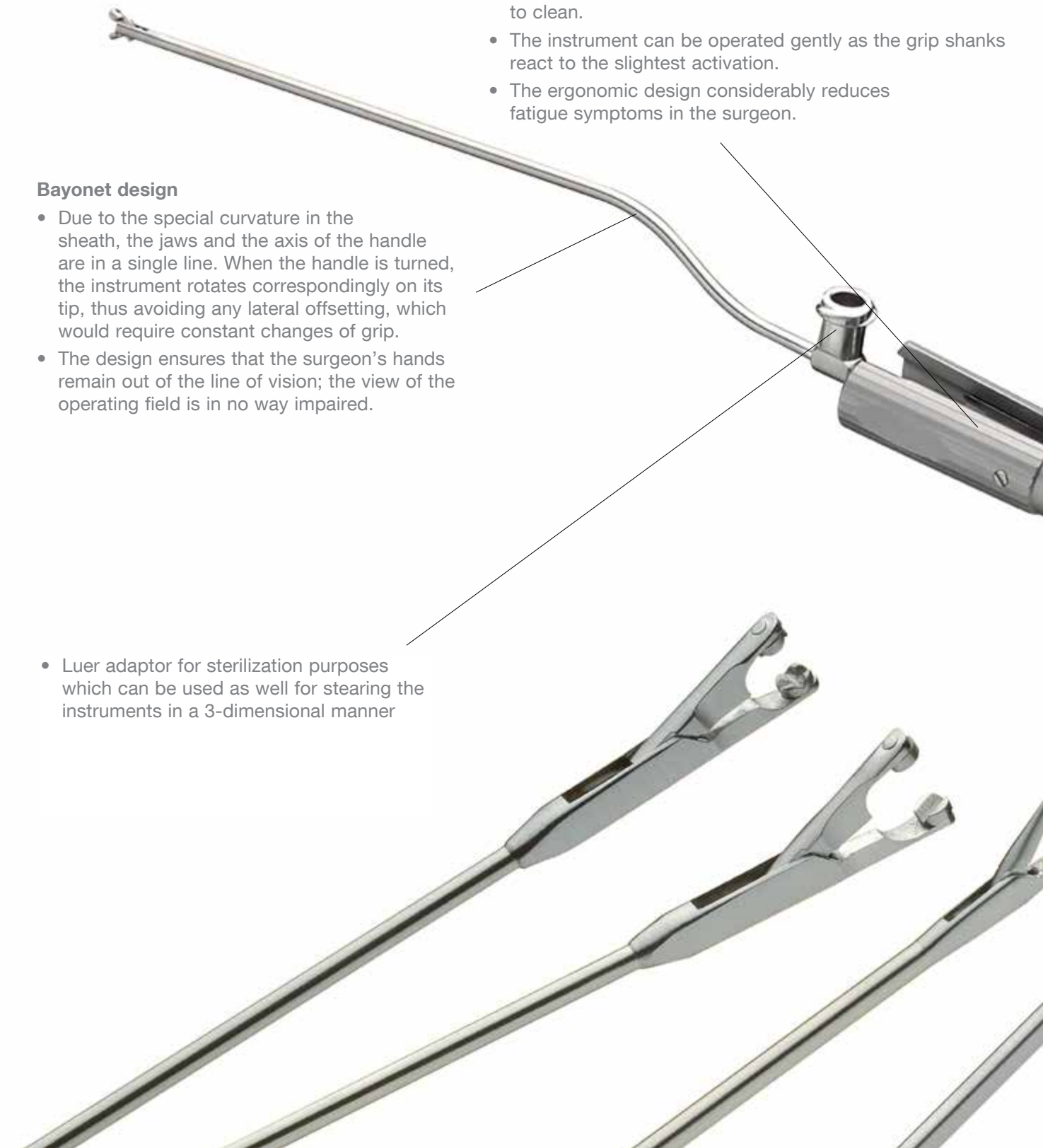
SEPEHRNIA Neurosurgical Micro Instruments

Ergonomically designed handle

- The round handle piece allows a comfortable grip in all positions.
- The handle recesses ensure secure handling and are easy to clean.
- The instrument can be operated gently as the grip shanks react to the slightest activation.
- The ergonomic design considerably reduces fatigue symptoms in the surgeon.

Bayonet design

- Due to the special curvature in the sheath, the jaws and the axis of the handle are in a single line. When the handle is turned, the instrument rotates correspondingly on its tip, thus avoiding any lateral offsetting, which would require constant changes of grip.
- The design ensures that the surgeon's hands remain out of the line of vision; the view of the operating field is in no way impaired.
- Luer adaptor for sterilization purposes which can be used as well for steering the instruments in a 3-dimensional manner



Balancing

- The balance of the instrument can be adjusted individually by a screw-on counterweight so that the surgeon does not need to balance the instrument actively.
- Due to the type of application, it is not necessary to use a counterbalance for the clip-applying forceps.

Color coding

- 4 different color codes for the counterweight make it easier to distinguish between the individual working tips.

A variety of working tips

- A variety of working tips are available to the surgeon to ensure optimal work:
 - forceps
 - scissors
 - clip-applying forceps
 - needle holder



SEPEHRNIA Neurosurgical Micro Instruments

Needle Holder and Forceps



28164 NBB **Micro Needle Holder**, bayonet shaped, 2 x 6 mm, jaw straight, working length 10 cm



28164 NBC **Micro Needle Holder**, bayonet shaped, 1 x 6 mm, jaw curved to left, working length 10 cm



28164 PBA **Micro Grasping Forceps**, bayonet-shaped, 0.5 mm, smooth, working length 10 cm



28164 PBC **Micro Forceps**, bayonet shaped, serrated, 3 mm, jaws straight, working length 10 cm



28164 PBD **Micro Forceps**, bayonet shaped, 0.75 mm, jaws curved to left, working length 10 cm

SEPEHRNIA Neurosurgical Micro Instruments

Forceps



28164 PBB **Micro Forceps**, bayonet-shaped, 2 mm spoon, working length 10 cm



28164 PBE **Micro Forceps**, bayonet shaped, 4 mm, spoon, working length 10 cm



28164 PBF **Micro Forceps**, bayonet shaped, 6 mm, spoon, working length 10 cm



28164 PBG **Micro Forceps**, bayonet shaped, 2 mm, spoon horizontal, working length 10 cm



28164 PBH **Micro Forceps**, bayonet shaped, 4 mm, spoon horizontal, working length 10 cm



28164 PBI **Micro Forceps**, bayonet shaped, 6 mm, spoon horizontal, working length 10 cm

SEPEHRNIA Neurosurgical Micro Instruments

Scissors



28164 SBA **Micro Scissors**, horizontal, bayonet-shaped, sharp/sharp, straight, working length 10 cm



28164 SBB **Micro Scissors**, bayonet-shaped, sharp/sharp, left curved, working length 10 cm



28164 SBC **Micro Scissors**, bayonet shaped, blunt/blunt, jaw straight, working length 10 cm



28164 SBD **Micro Scissors**, bayonet shaped, sharp/sharp, jaw curved to right, working length 10 cm



28164 SBE **Micro Scissors**, bayonet shaped, sharp/sharp, jaws horizontal, working length 10 cm

SEPEHRNIA Neurosurgical Micro Instruments

Applying Forceps



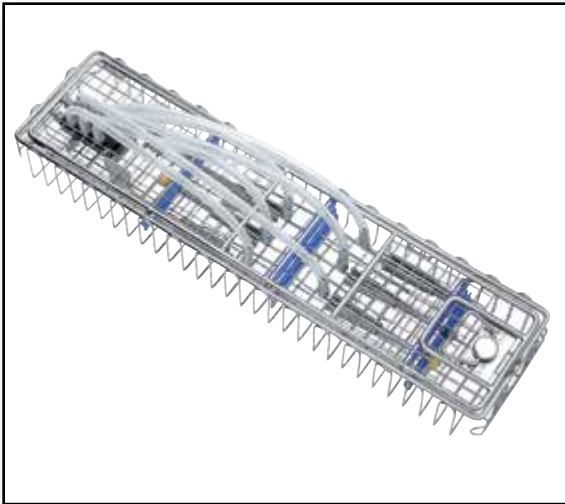
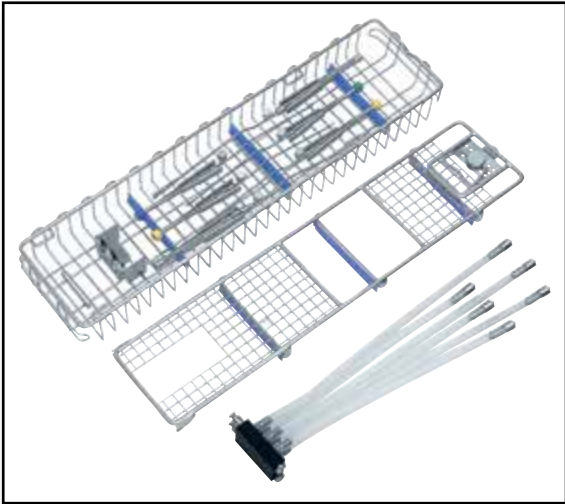
28164 ZBA **Micro Applying Forceps**, Yasargil clips,
working length 10 cm



28164 ZBB **Micro Applying Forceps**, Yasargil mini clips,
working length 10 cm

SEPEHRNIA Neurosurgical Micro Instruments

Accessories



39501 AN **Tray** for cleaning, sterilisation and storage of up to 6 SEPEHRNIA instruments, with silicone instrument tray and lid, Dimensions (w × h × d): 352 × 125 × 54



Notes



ENDOWORLD®

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