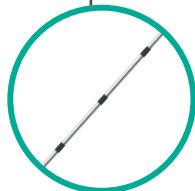


## IntraLong

### Catheter Set for Continuous Spinal Anaesthesia

Continuous Spinal Anaesthesia is often used in orthopedics and for large-scale tumor operations. PAJUNK® offers a special ramped SPROTTE® needle that allows for a small size catheter placement through the needle into the intrathecal space. The sets include additional accessories like filter and dosing syringe



### Depth Markings

Graduations on the first 30cm

- » Easy determination of the catheter positioning



### Three Lateral Openings

Are arranged all around for the first 2.2cm, the tip is closed

- » Optimizes the even distribution of the anesthetic

### Sprotte Special Tip with Ramp

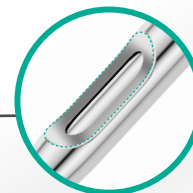
- » Reduces the chance of shearing off catheter
- » Easy catheter threading



### Atraumatic Tip Design

The ogive shaped tip significantly reduces the risk of PDPH and the rounded edges of the lateral eye minimise trauma to the dura mater.

- » Minimises chance of PDPH<sup>3</sup>
- » Consistent tactile feedback



### Lateral Eye

Burr-free, rounded atraumatic edges

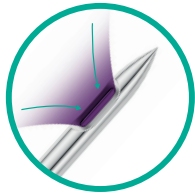
- » Optimised gliding properties
- » Minimum chance of tissue coring and carry-over into the subarachnoid space

1. Saenghirunvattana R. et al. A comparison study between newly-designed pencil-point and cutting needles in spinal anesthesia. J. Med. Assoc. Thai. 2008; 91 (Suppl 1): S156-161  
 2. Armon C., Evans R. W. Addendum to assessment: Prevention of postlumbal puncture headaches Report of the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology., Neurology., 2005; 65; 510  
 3. Cesarini, M. et al. Sprotte needle for intrathecal anesthesia for Caesarean section: incidence of postlural puncture headache., Anesthesia 1990; 45: 646-658

# IntraLong

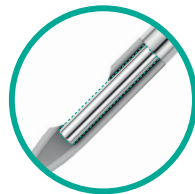
Catheter Set for  
Continuous Spinal Anaesthesia

## Additional Features



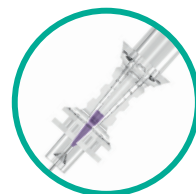
### Optimal Lateral Eye Size and Placement

- » Unobstructed backflow, even if the eye is partially blocked by the arachnoid membrane
- » Allows for quicker CSF flashback<sup>1</sup>



### Precision-Ground Metal Stylet

- » Lateral eye closes precisely to minimise chance of tissue coring<sup>2</sup>
- » Polished, rounded tip prevents abrasion on the inner needle tube



### Standard Hub

- » Designed for rapid detection of even the smallest quantities of CSF
- » Reduced inner space



### Highest Processing Quality

- » High quality stainless steel needle for increased stability
- » Smoothly polished and burr-free surface and inner lumen designed for optimised gliding properties and CSF backflow
- » Consistent feel and reliable performance

IntraLong  
with Filter and  
Clamping Adapter

SPROTTE® Special Needle Size	Catheter	Item no.	NRFit® Item no.	PU
21G x 90mm (3 1/2")	25G x 90cm (35")	31151-30GS	22161-30GS	10

NRFit® is a registered trademark of GEDSA used with their permission.

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