

# PAJUNK®

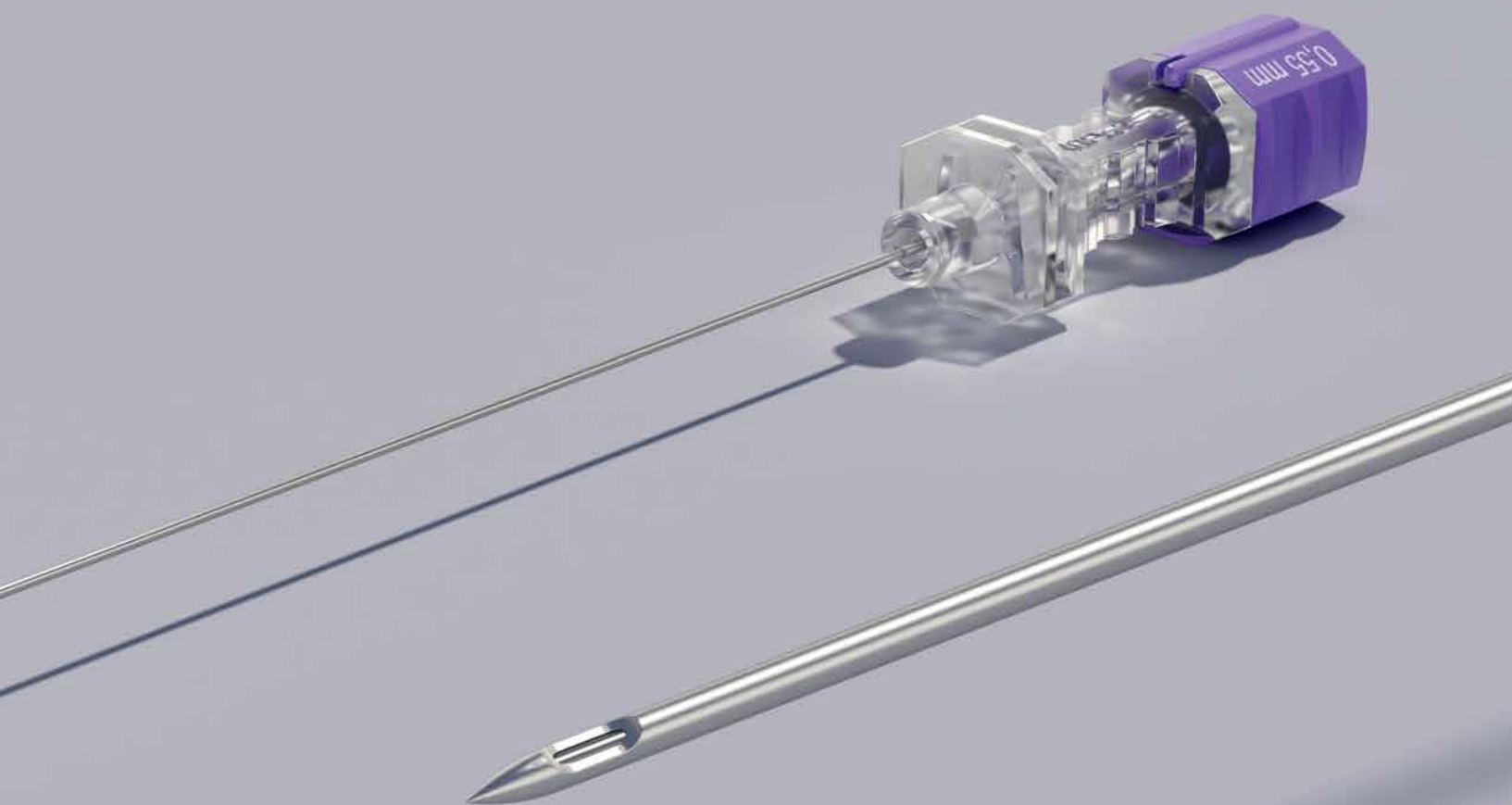


NEURAXIAL  
ANESTHESIA

## SPROTTE®

*Needles for Atraumatic  
Spinal Anaesthesia*

40  
YEARS<sup>of</sup>  
SPROTTE®  

MADE IN GERMANY 

# The Pioneer of Atraumatic Dural Puncture

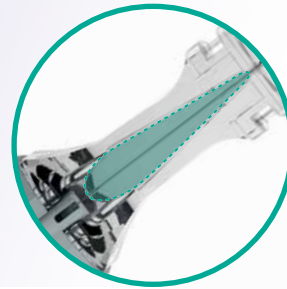
With the introduction of the first atraumatic Sprotte needle at the end of the 1970s, spinal anaesthesia was rehabilitated as a fully accepted alternative to general anaesthesia. A unique tip design is the secret of its success. Sprotte's atraumatic puncture and optimal gliding properties minimise possible injuries and prevent foreign bodies and tissue particles from being carried into the subarachnoid space, while reducing the incidence of post-dural puncture headache (PDPH).



## AVAILABLE OPTIONS

### Magnifying Hub

Clear, magnifying needle hub allows for easy visualisation of blood or CSF and easier detection of CSF flashback



### Standard Hub

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



### Colour-Coded Needle Hub with Size Indication

- Easy identification of needle size



Sprotte Introducer

Sprotte needle



### Introducer with Facet Tip

- Diameter and length perfectly matched to each spinal needle size
- Minimal reduction of useable working length of the spinal needle
- Funnel-shaped hub to reduce chance of spinal needle tip damage during insertion



### Portfolio Excellence

- Wide needle range with different diameters and lengths
- Special designs for pediatrics and obese patients

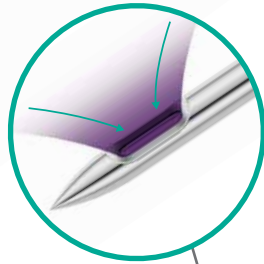


### Highest Processing Quality

- 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

### 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>



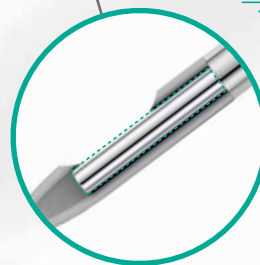
### Lateral Eye

- Burr-free, rounded atraumatic edges
- Optimised gliding properties
  - Minimum chance of tissue coring and carry-over into the subarachnoid space



### 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



### 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



Also available in **NRFit**<sup>®</sup>

**Sprotte  
needle**

Size	Introducer	Item no. Standard	Item no. Magnifying hub	NRFit® Item no. Magnifying hub	NRFit Sets* Item no. Magnifying hub	PU
27G x 35 mm (1 1/3")			111151-27A			25
27G x 90 mm (3 1/2")	30 mm (1 1/5")		121151-27A	021163-27A		25
27G x 90 mm (3 1/2")	30 mm (1 1/5")				021166-27A	10
27G x 90 mm (3 1/2")	40 mm (1 3/5")			211163-27A		25
27G x 103 mm (4")	40 mm (1 3/5")		141151-27A	041163-27A		25
27G x 120 mm (4 3/4")	40 mm (1 3/5")		151151-27A	031163-27A		10
27G x 123 mm (4 4/5")			231151-27A			10
26G x 90 mm (3 1/2")	30 mm (1 1/5")	121151-26A		121163-26A		25
26G x 103 mm (4")	40 mm (1 3/5")	021151-26A		021163-26A		25
26G x 120 mm (4 3/4")	40 mm (1 3/5")	041151-26A		041163-26A		10
25G x 35 mm (1 1/3")		001151-29E		001163-29E		25
25G x 90 mm (3 1/2")	30 mm (1 1/5")	021151-29A	511151-29A	021163-29A		25
25G x 90 mm (3 1/2")	30 mm (1 1/5")				021166-29A	10
25G x 90 mm (3 1/2")	40 mm (1 3/5")			211163-29A		25
25G x 90 mm (3 1/2")	40 mm (1 3/5")				211166-29A	10
25G x 103 mm (4")	40 mm (1 3/5")	041151-29A	161151-29A	041163-29A		25
25G x 120 mm (4 3/4")		031151-29A				10
25G x 120 mm (4 3/4")	40 mm (1 3/5")	051151-29A	171151-29A	051163-29A		10
25G x 123 mm (4 4/5")		151151-29A				10
25G x 150 mm (6")	40 mm (1 3/5")	061151-29A				10
24G x 35 mm (1 1/3")		001151-30E		001163-30E		25
24G x 90 mm (3 1/2")		001151-30A		001163-30A		25
24G x 90 mm (3 1/2")	30 mm (1 1/5")	121151-30A		121163-30A		25
24G x 90 mm (3 1/2")	30 mm (1 1/5")				121166-30A	10
24G x 103 mm (4")	40 mm (1 3/5")	021151-30A		021163-30A		25
24G x 103 mm (4")	40 mm (1 3/5")				521166-30A	10
24G x 120 mm (4 3/4")		031151-30A				10
24G x 120 mm (4 3/4")	40 mm (1 3/5")	041151-30A		041163-30A		10
24G x 150 mm (6")	40 mm (1 3/5")	131151-30A		131163-30A		10
22G x 50 mm (2")		071151-30C		071163-30C		25
22G x 90 mm (3 1/2")		001151-30C		001163-30C		25
22G x 90 mm (3 1/2")	30 mm (1 1/5")	021151-30C		021163-30C		25
22G x 90 mm (3 1/2")	30 mm (1 1/5")				021166-30C	10
22G x 103 mm (4")	40 mm (1 3/5")	221151-30C		221163-30C		25
22G x 120 mm (4 3/4")	40 mm (1 3/5")	131151-30C		131163-30C		10
22G x 150 mm (6")	40 mm (1 3/5")	141151-30C		141163-30C		10

**Sprotte  
introducer**

Size	Matching Sprotte Size	Item no.	NRFit Item no.	PU
20G x 30 mm (1.00 mm x 1 1/5")	22G	001151-30L	001163-30L	25
20G x 40 mm (1.00 mm x 1 3/5")	22G	001151-30M	001163-30M	25

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