



Peripheral Anesthesia

PAJUNK®

Real People. Real Care.



SonoPlex® II

Echogenic, Stimulating Single Shot
Nerve Block Needles

Made in Germany



Dual Guidance

The Combined Procedure

SonoPlex[®] needles were especially developed by PAJUNK[®] for single shot nerve block applications, allowing for placement under ultrasound and stimulation techniques (Dual Guidance). This procedures can optimize patient safety.



1. Edgcombe H., Hocking G. (2010 March–April) Sonographic identification of needle tip by specialists and novices: a blinded comparison of 5 regional block needles in fresh human cadavers. *Reg. Anesth. Pain Med.*, 35(2): 207–211.



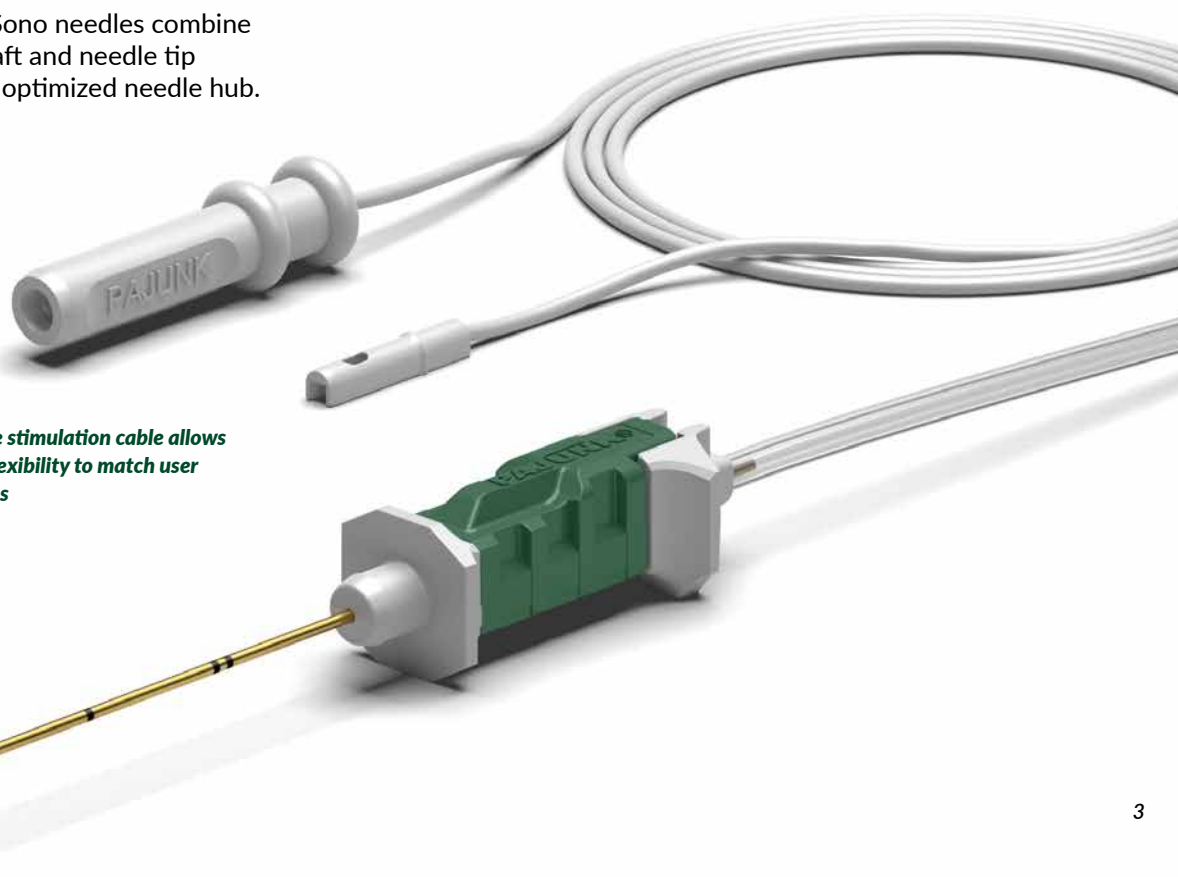
Optimized Ultrasound Visibility of the Needle shaft and Needle Tip¹

*Facet tip S with two
inclination angles*

As one of the leading echogenic nerve block needles globally the patented Cornerstone Reflectors optimize needle echogenicity.

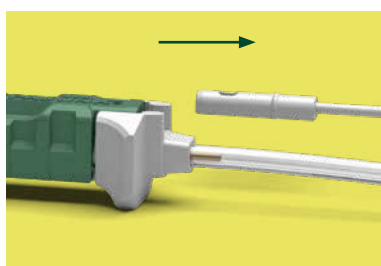
Also the Facet tip S with its two inclination angles can improve the visibility of the needle tip under ultrasound.

The next generation Sono needles combine the proven needle shaft and needle tip visibility with a newly optimized needle hub.



*Removable stimulation cable allows
for more flexibility to match user
preferences*

Echogenic Needle with a New Hub

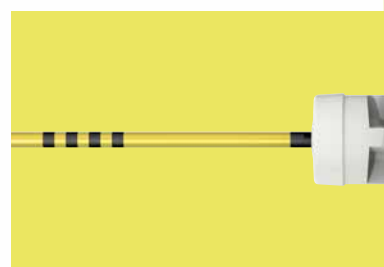


Removable Stimulation Cable

Easy removal of stimulation cable while keeping the system sterile:

- » Allows for more flexibility to match user preferences.

Portfolio of Alternative Tip Geometries



Depth Markings

In an intense black:

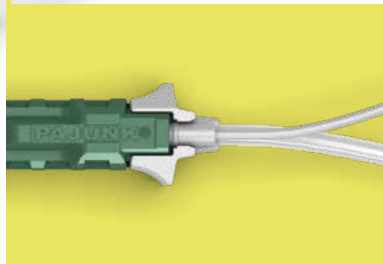
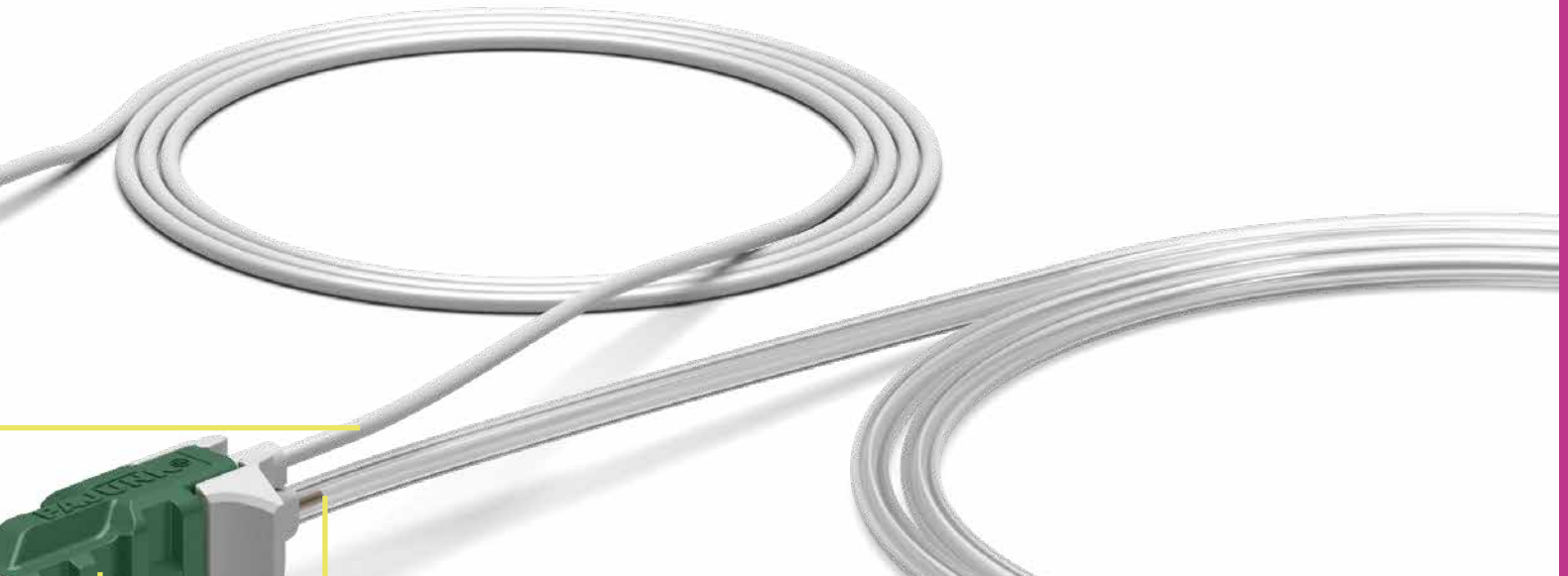
- » Helps ensure visualization of insertion depth during catheter placement.

SonoPlex II with Alternative Tip Geometries

Facet Tip

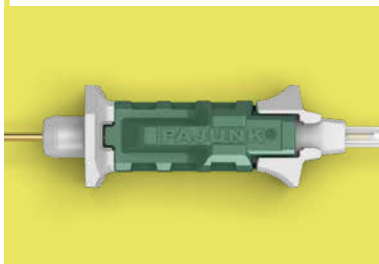
Facet Tip S

SPROTTE® Tip



Non-Removable Injection Tubing

- » Closed system.
- » Reduces the risk of leakage.



Colour-Coded Needle Hub

- » For easy identification of the needle size.



Hub NRFit® - The new Standard in Regional Anesthesia:

- » Designed to avoid risk of incorrect connections and injections.



Gold Standard for CTN Technique

Optimized Ultrasound Visibility¹ and Stimulation



Cornerstone Reflectors

360° graduations on the first 20 mm of the needle in two sections:

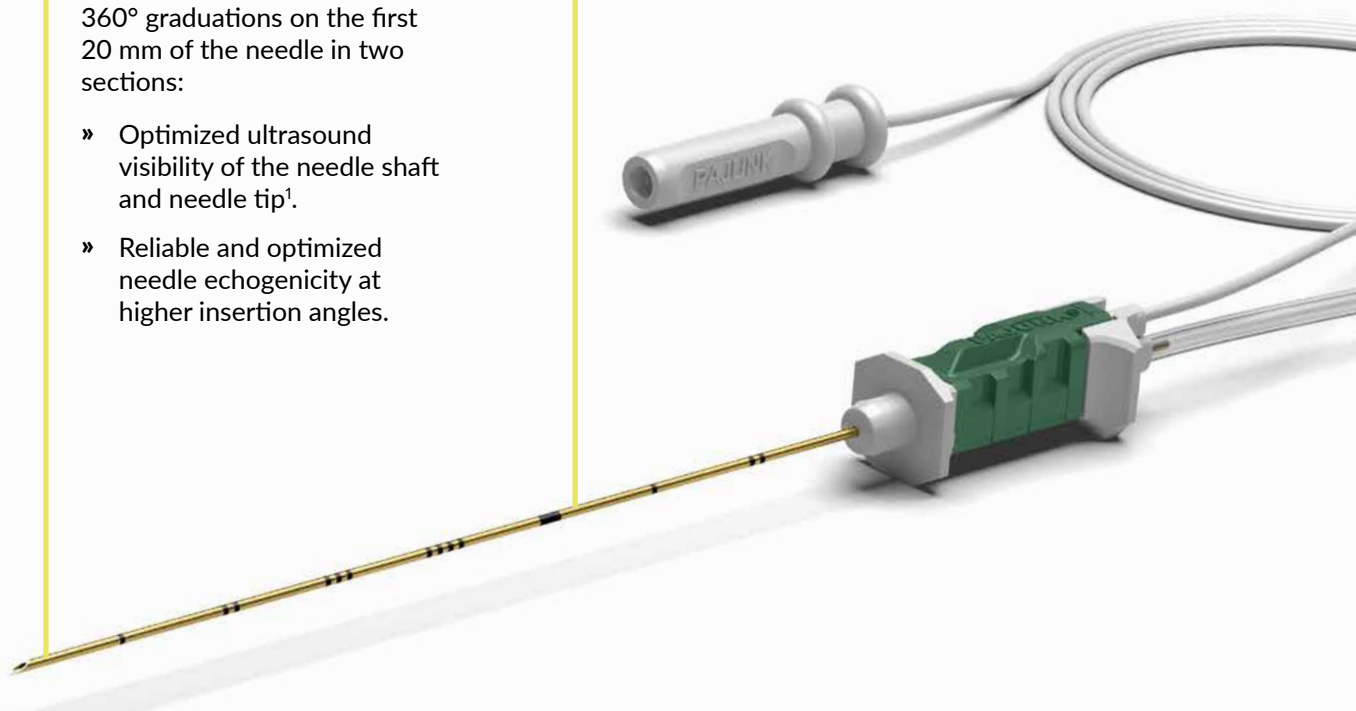
- » Optimized ultrasound visibility of the needle shaft and needle tip¹.
- » Reliable and optimized needle echogenicity at higher insertion angles.



NanoLine® Coating

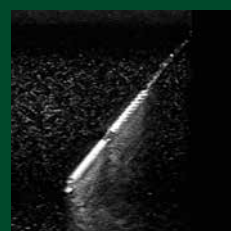
Ultra-thin polymer layer in the inner and outer lumen:

- » Increased stimulation precision only through the non-insulated needle tip.

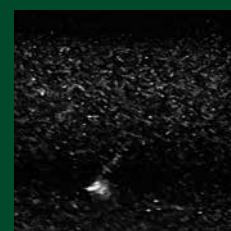


Comparison of Ultrasound Visibility* with Cornerstone and NanoLine Technology

*The following PAJUNK® products have been compared at an insertion angle of 50° using Blue Phantom: SonoPlex 22G with Cornerstone and NanoLine technology and Chiba 22G.

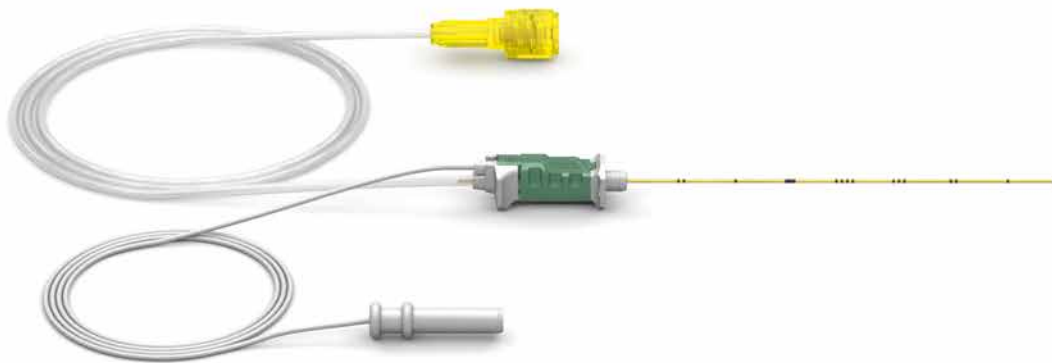


With Cornerstone and NanoLine Technology

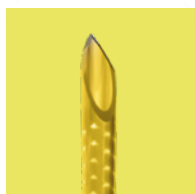


Without Cornerstone and NanoLine Technology

SonoPlex® II

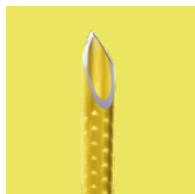


SonoPlex® II With facet tip



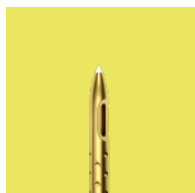
Needle size	Item no.	NRFit® Item no.	PU
22G x 40 mm (1 5/8")	001285-70	001265-70	10
22G x 50 mm (2")	001285-74	001265-74	10
22G x 80 mm (3 1/4")	001285-71	001265-71	10
21G x 100 mm (4")	001285-77	001265-77	10
20G x 120 mm (4 3/4")	001285-72	001265-72	10
20G x 150 mm (6")	001285-76	001265-76	10

SonoPlex® II With facet tip S



Needle size	Item no.	NRFit Item no.	PU
25G x 50 mm (2")	001287-81	001267-81	10
24G x 40 mm (1 5/8")	001287-78	001267-78	10
24G x 50 mm (2")	001287-85	001267-85	10
22G x 40 mm (1 5/8")	001287-70	001267-70	10
22G x 50 mm (2")	001287-74	001267-74	10
22G x 80 mm (3 1/4")	001287-71	001267-71	10
21G x 100 mm (4")	001287-77	001267-77	10
20G x 120 mm (4 3/4")	001287-72	001267-72	10
20G x 150 mm (6")	001287-76	001267-76	10

SonoPlex® II With SPROTTE® tip



Needle size	Item no.	NRFit Item no.	PU
22G x 50 mm (2")	001285-31G	001265-31G	10
22G x 90 mm (3 1/2")	001285-31J	001265-31J	10

1. Edgcombe H., Hocking G. (2010 March–April) Sonographic identification of needle tip by specialists and novices: a blinded comparison of 5 regional block needles in fresh human cadavers. *Reg. Anesth. Pain Med.*, 35(2): 207–211.



Further PAJUNK® products from our portfolio for the application area of peripheral nerve blocks:



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SonoPlex® II

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