

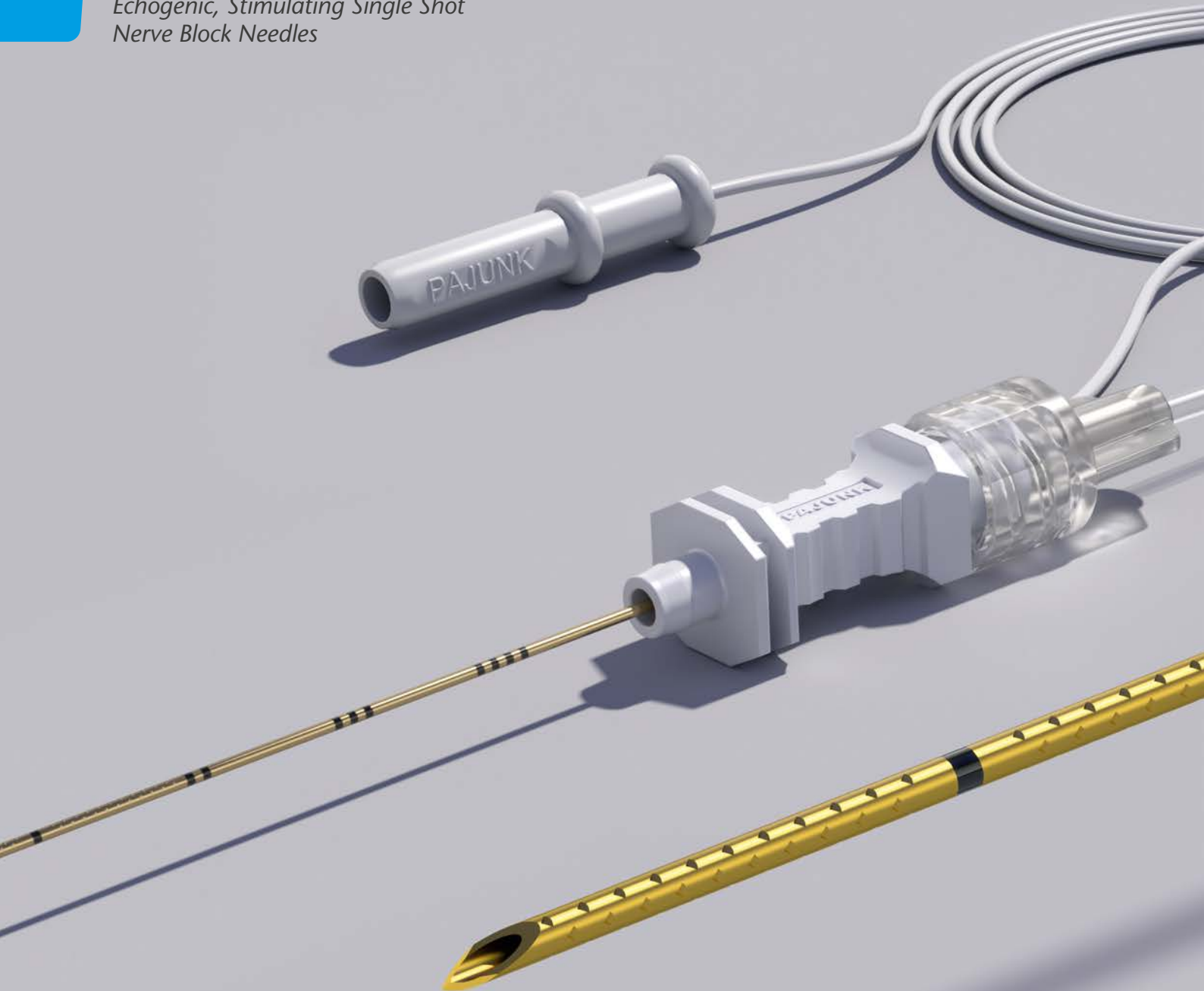
PAJUNK®



REGIONAL ANAESTHESIA
& PAIN MANAGEMENT

SonoPlex®

*Echogenic, Stimulating Single Shot
Nerve Block Needles*



The Echogenic Needle with the Highest US-Visibility

SonoPlex needles were especially developed by PAJUNK® for single shot nerve block applications, allowing for placement under ultrasound and stimulation techniques (Dual Guidance). As the leading echogenic nerve block needle globally, the SonoPlex includes the patented Cornerstone Reflectors for best needle echogenicity possible, irrespective of the insertion angle.



INDEPENDENT STUDIES

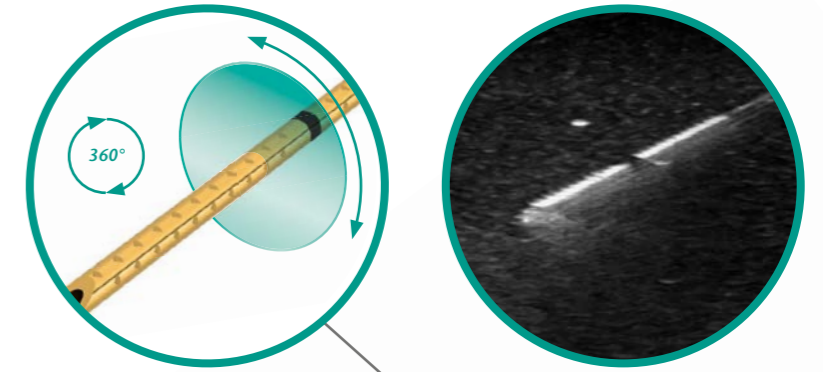
The Best Needle on the Market

- ▶ SonoPlex has the highest overall visibility on the market^{1,4}
- ▶ Significantly higher visibility at steep angles⁵
- ▶ Testified by independent studies^{1,4,5}

Cornerstone Reflectors

360 degree graduations on the first 20 mm of the needle

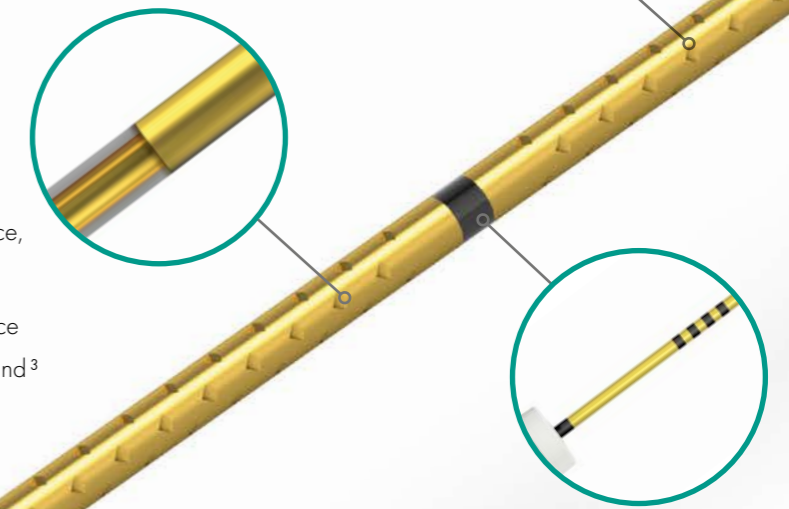
- Optimised ultrasound visibility of needle shaft and needle tip¹
- Reliable and optimised needle visualisation at any angle^{2,3}



NanoLine® Coating

Very thin polymer film, smooth surface, accurate inner and outer diameter

- Excellent puncture and gliding properties through smooth surface
- Improves visibility under ultrasound³
- Precise stimulation through the non-insulated needle tip



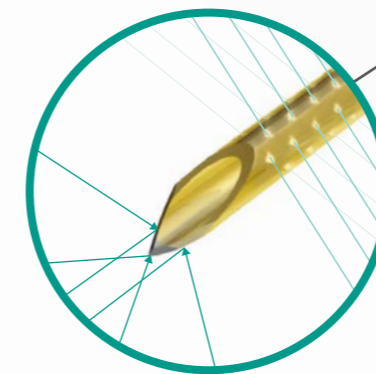
Depth Markings

→ Easy to read and identify

Echogenic Needle Tip

Facet tip with two inclination angles

- Improves needle tip visibility under ultrasound



1. Frazier R. et al. The echogenicity of nerve blockade needles. *Anesth.* 2015; 70: 462-466
 2. Uppal V. et al. Effect of beam steering on the visibility of echogenic and non-echogenic needles: a laboratory study. *Can. J. Anesth.* 2014 Oct; 61(10): 909-915
 3. Hebard S., Hocking G. Echogenic technology can improve needle visibility during ultrasound-guided regional anesthesia. *Reg. Anesth. Pain Med.* 2011 March-April; 36(2): 185-189
 4. Sviggum, H. P.; Ahn, K.; Dilger, J. A.; Smith, H. M. Needle Echogenicity in Sonographically Guided Regional Anesthesia. In *Journal of ultrasound in medicine: official journal of the American Institute of Ultrasound in Medicine* 2013: 143-148
 5. Hebard S., Hocking G., Murray, K. Two-dimensional mapping to assess direction and magnitude of needle tip error in ultrasound-guided regional anaesthesia. *Anaesth. and intensive care* 2011; 39: 1076-1081

SonoPlex®

SonoPlex needle with facet tip

Size	Item no.	PU
20G x 120 mm (4 3/4")	001185-72	10
20G x 150 mm (6")	001185-76	10
21G x 80 mm (3 1/5")	001185-88	10
21G x 100 mm (4")	001185-77	10
22G x 40 mm (1 5/8")	001185-70	10
22G x 50 mm (2")	001185-74	10
22G x 80 mm (3 1/5")	001185-71	10
24G x 25 mm (1")	001185-75	10
24G x 40 mm (1 5/8")	001185-78	10
24G x 50 mm (2")	001185-85	10

SonoPlex needle with facet S tip

Size	Item no.	PU
20G x 120 mm (4 3/4")	001187-72	10
20G x 150 mm (6")	001187-76	10
21G x 80 mm (3 1/5")	001187-88	10
21G x 100 mm (4")	001187-77	10
22G x 40 mm (1 5/8")	001187-70	10
22G x 50 mm (2")	001187-74	10
22G x 70 mm (3")	001187-93	10
22G x 80 mm (3 1/5")	001187-71	10
24G x 40 mm (1 5/8")	001187-78	10
24G x 50 mm (2")	001187-85	10
25G x 50 mm (2")	001187-81	10

SonoPlex needle with SPROTTE® tip

Size	Item no.	PU
22G x 50 mm (2")	001185-31G	10
22G x 70 mm (3")	001185-31H	10
22G x 90 mm (3 1/2")	001185-31J	10
24G x 40 mm (1 5/8")	001185-30G	10



AVAILABLE OPTIONS

Additional needles for single shot nerve blocks:

- ▶ **SonoBlock II**
Echogenic, non-stimulating single shot nerve block needle, NanoLine® Coating
- ▶ **SonoTAP® II**
Echogenic, non-stimulating single shot plane block needle

More information at: pajunk.com

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