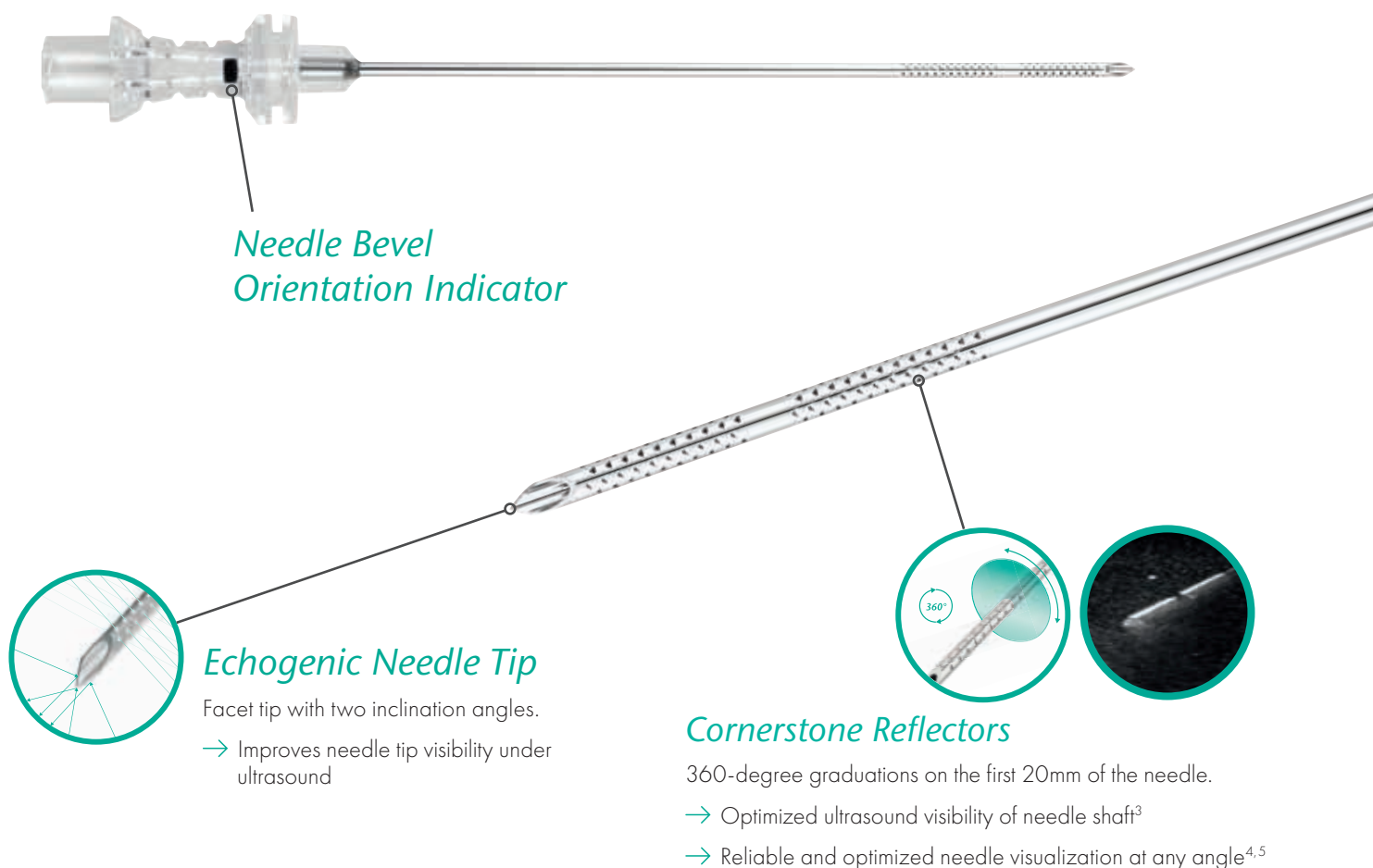


VascularSono

Ultrasound-Guided Central Venous Puncture Needles

The use of ultrasound to position central venous catheters is a proven way of improving patient welfare while reducing the rate of failed puncture attempts.¹ VascularSono is a vascular puncture needle developed by PAJUNK® that has outstanding sonographic visibility. The ultrasound waves are very clearly reflected in this procedure both in-plane and out-of-plane by the needle shaft and the tip, even if the insertion angle is steep.²



**Needle Bevel
Orientation Indicator**

Echogenic Needle Tip

Facet tip with two inclination angles.

→ Improves needle tip visibility under ultrasound

Cornerstone Reflectors

360-degree graduations on the first 20mm of the needle.

→ Optimized ultrasound visibility of needle shaft³

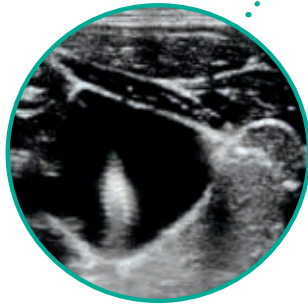
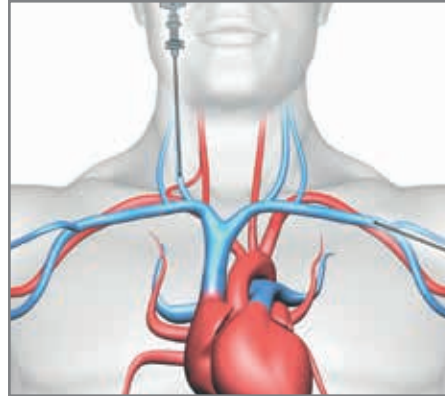
→ Reliable and optimized needle visualization at any angle^{4,5}

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2. Edgcombe H., Hocking G. 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.* 2010 March–April; 35(2): 207–211
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4. 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
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VascularSono

Ultrasound-Guided Central Venous Puncture Needles

Possible Areas of Application



Out-of-Plane View

→ VascularSono in the vena jugularis interna



In-Plane View

→ VascularSono in the vena subclavia

VascularSono	Size	Item no.	Suitable for guidewires up to	PU
	21 G x 70 mm	1187-4F070	0.018 inch	25
	18 G x 70 mm	1187-4K070	0.035 inch	25
	18 G x 100 mm	1187-4K100	0.035 inch	25

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