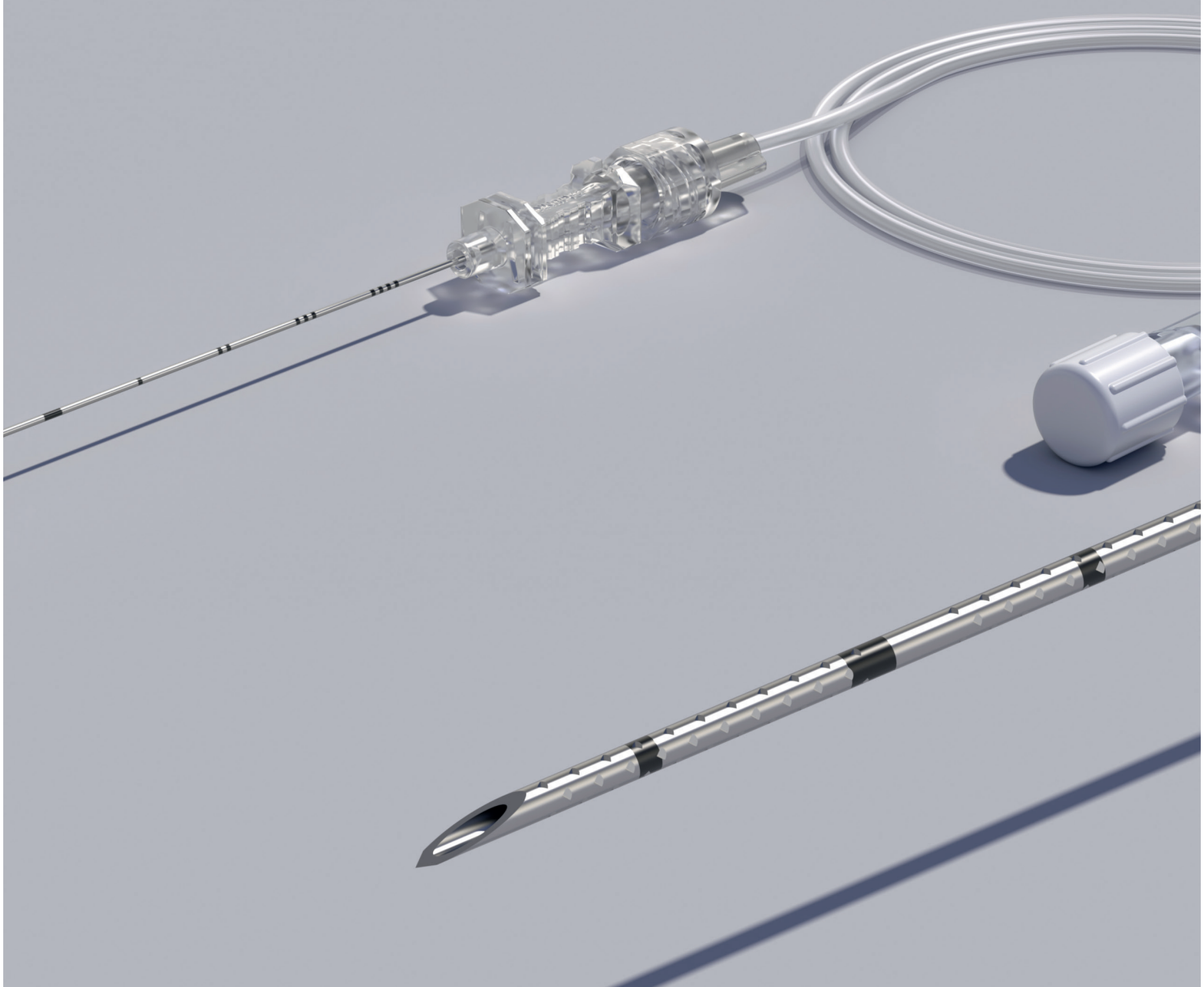
PAJUNK®

REGIONAL ANAESTHESIA
& PAIN MANAGEMENT

SonoMSK

Needles for
Ultrasound Guided Injections



MADE IN GERMANY

Sharp, Echogenic MSK and Chronic Pain Injection Needle

The optimised echogenic properties of the SonoMSK allow for precise real-time tracking of the puncture and injection process and minimise the risk of intravascular injections, while improving patient outcomes.[1,2]
The extra sharp bevel of the SonoMSK meets the specific requirements of musculoskeletal and chronic pain injections, reducing the pain during puncture and needle placement. Combined with a more stable needle shaft SonoMSK also improves maneuverability.

→ SonoMSK is the perfect tool for all ultrasound guided musculoskeletal steroid/anaesthetic injections.

BENEFITS

Benefits of Ultrasound-Guided Injections
vs Landmark Technique, Fluoroscopy or CT-Guidance

- Higher first attempt rate[6]
- Less time-consuming[6]
- Less patient discomfort[6]
- Reduced treatment costs[6,7]
- No risk of radiation exposure for healthcare providers and patients
- Improved accuracy of needle placement resulting in better outcome[7,8,9]

Pre-attached, Removable Injection Tubing

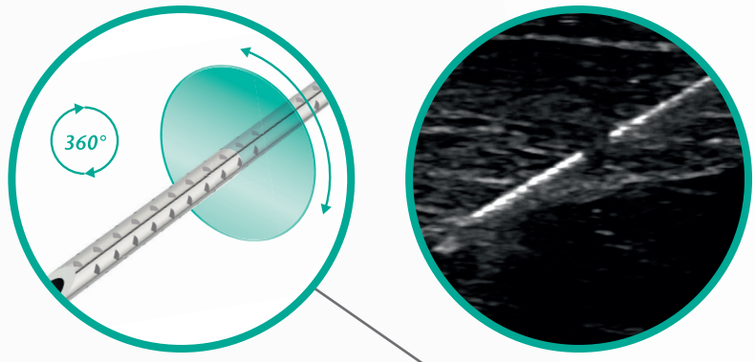
→ Convenience
→ Cost saving
→ Detachable, for more flexibility

Cornerstone Reflectors

360 degree graduations on the first 20 mm of the needle

→ Optimised ultrasound visibility of needle shaft [3]

→ Reliable and optimised needle visualisation at any angle [4,5]



Depth Markings

→ Easy to read and identify

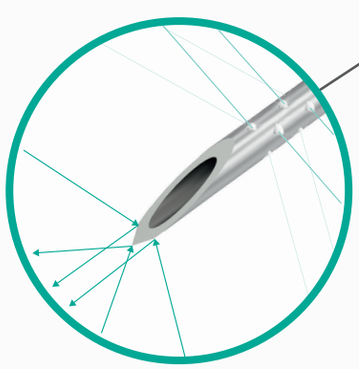
Sharp Back Cut Bevel

→ Reduced pain during puncture and needle placement

→ Easier and more precise needle manoeuverability

→ Smooth gliding properties

Facet tip



Echogenic Needle Tip

→ Improved needle tip visibility under ultrasound

Highest Processing Quality

Highest Processing Quality

→ High quality stainless steel needle for increased stability

→ Smoothly polished and burr-free surface and inner lumen desgined for optimised gliding properties

→ Consistent feel and reliable performance

1. **Uppal V., Sondekoppam R. V., Ganapathy S.** 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
2. **Wiesmann T., Bornträger A., Zoremba M., Neff M., Wulf H., Steinfeldt T.** Compound imaging technology and echogenic needle design: effects on needle visibility and tissue imaging, Reg. Anesth. Pain Med. 2013 Sep–Oct; 38(5): 452–455
3. **Fuzier R. et al.** The echogenicity of nerve blockade needles, Anesth. 2015; 70: 462–466
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
5. **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
6. **Peng, P. W. H., Shankar H.** Ultrasound-Guided Interventional Procedures in Pain Medicine: A Review of Anatomy, Sonoanatomy. Part V: Knee Joint, Regional Anesthesia and Pain Medicine, 2014 Sept.-Okt., 39 (5): 374–378
7. **Peng, P. W. H., Narouze, S.** Ultrasound-Guided Interventional Procedures in Pain Medicine: A Review of Anatomy, Sonoanatomy, Part I: Nonaxial Structures, Regional Anesthesia and Pain Medicine, 2009 Sept. – Oct., 34 (5): 458
8. **Peng, P. W. H., Cheng, P.** Ultrasound-Guided Interventional Procedures in Pain Medicine: A Review of Anatomy, Sonoanatomy. Part III: Shoulder, Regional Anesthesia and Pain Medicine, 2011 Nov.-Dec., 36 (6): 597-600
9. **Peng, P. W. H.** Ultrasound-Guided Interventional Procedures in Pain Medicine: A Review of Anatomy, Sonoanatomy. Part IV: Hip, Regional Anesthesia and Pain Medicine, 2013 Jul.-Aug., 38 (4): 271

SonoMSK

SonoMSK
with Cornerstone Reflectors, sharp back cut bevel, depth markings, with pre-attached & removable injection tubing

Size	Item no.	PU
27G x 37 mm (1 1/3")	1191-4B037	10
27G x 50 mm (2")	1191-4B050	10
25G x 37 mm (1 1/3")	1191-4C037	10
25G x 50 mm (2")	1191-4C050	10
25G x 70 mm (2 3/4")	1191-4C070	10
25G x 90 mm (3 1/2")	1191-4C090	10
22G x 25 mm (1")	1191-4E025	10
22G x 40 mm (1 5/8")	1191-4E040	10
22G x 70 mm (2 3/4")	1191-4E070	10
22G x 90 mm (3 1/2")	1191-4E090	10
22G x 100 mm (4")	1191-4E100	10
22G x 120 mm (4 3/4")	1191-4E120	10
22G x 150 mm (6")	1191-4E150	10

Scan now!

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