

# PAJUNK®



REGIONAL ANAESTHESIA  
& PAIN MANAGEMENT

## SonoMSK

Needles for  
*Ultrasound Guided Injections*



# 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.<sup>1,2</sup>  
 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.



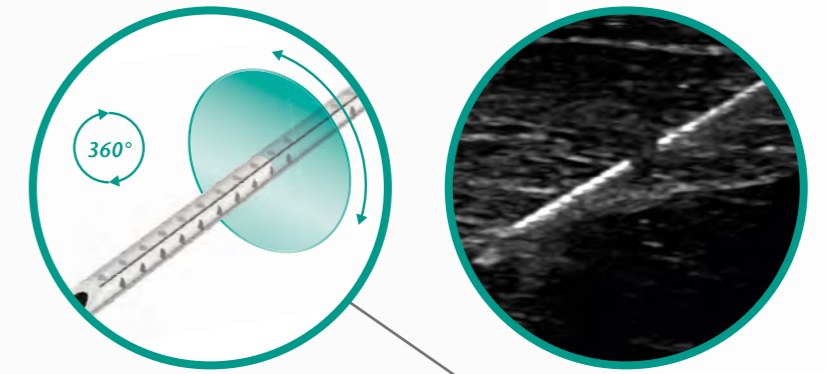
## BENEFITS

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

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

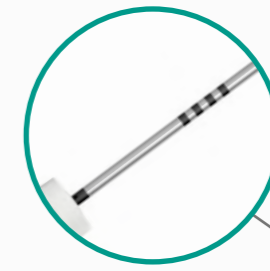
### Cornerstone Reflectors

- 360 degree graduations on the first 20 mm of the needle
- Optimised ultrasound visibility of needle shaft<sup>3</sup>
- Reliable and optimised needle visualisation at any angle<sup>4,5</sup>



### Sharp Back Cut Bevel

- Reduced pain during puncture and needle placement
- Easier and more precise needle manoeuvrability
- Smooth gliding properties



### Depth Markings

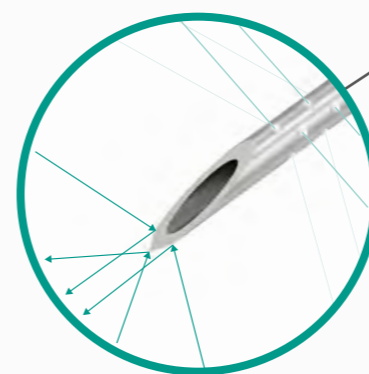
- Easy to read and identify



Highest Processing Quality

### 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
- Consistent feel and reliable performance



### Echogenic Needle Tip

- Improved needle tip visibility under ultrasound

### Pre-attached, Removable Injection Tubing

- Convenience
- Cost saving
- Detachable, for more flexibility



1. Uppal V, Sandekoppam 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-Oct; 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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