



Experience
the next generation
of Spinal Needles

Spinal anesthesia – old hat?

We do not think so!

Spinal Anesthesia is still (and will remain) the technique of choice, when it comes to lower limb surgery (92%), C-section (72%), abdominal surgery (71%).¹

With more than 100M procedures each year, Spinal Anesthesia is the most used Regional Anesthesia technique worldwide.² And the numbers are expected to rise. At B. Braun, we make it our mission to give this core area of Regional Anesthesia the attention it deserves.

Did you know that the incidence rate of failed Spinals ranges higher than 3% while the success rate of the first attempt is only 87%?³

Considering how many patients each

Year: 100M

Month: 8.3M

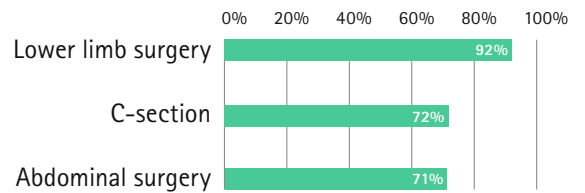
Day: 270,000

are undergoing this procedure worldwide, even a slight improvement can make an impactful difference. Imagine if just 1% of the above mentioned patients could receive a "first time right" Spinal.

Expect more:

Feel the difference and experience the next generation spinal needle portfolio comprising Spinocan®, Pencan® and Atraucan® – worldwide renowned brands from the market leader in Regional Anesthesia.

Usage of Spinal Anesthesia per procedure



Source:

1 Konijn A et al. Regional anaesthesia practices: insights from a European survey. European Journal of Anaesthesiology and Intensive Care 2023 Aug;2(4):p e0026.

2 Internal Global Market Intelligence Data Analysis

3 Nath S et al. Atraumatic versus conventional lumbar puncture needles: a systematic review and meta-analysis. Lancet. 2018 Mar 24;391(10126):1197-1204.

Precision. Quality. Control.

From the market leader in Regional Anesthesia

The new B. Braun spinal needle portfolio is engineered to deliver what matters: Precision. Quality. Control.

Discover our comprehensive range of spinal needles. Our portfolio features a variety of options each crafted to provide exceptional performance for spinal anesthesia and diagnostic procedures. With a focus on patient comfort and ease of use for the clinician, our spinal needles ensure reliable results.

PRECISION

CSF^{ID} System for improved visualization of CSF flashback in the needle hub aiding proper needle placement



Prism has a silver shine before CSF enters the hub



Prism turns transparent once CSF is in the hub

QUALITY

Tritan™ – new hub material

- stress-crack resistant
- highly transparent
- not manufactured with: Latex/ Natural Rubber, BPA, DEHP, PVC



CONTROL

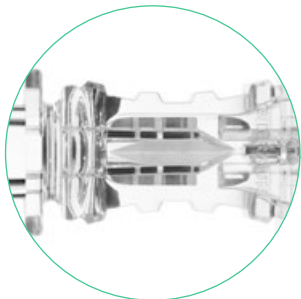
Ergonomic Hub

- designed for enhanced needle control, improved grip and tactile feedback
- for both spinal needle and introducer needle



Design matters for better outcomes:

Features & advantages



Unique CSF^{ID} System:

Prism and magnifying lense for improved visualization of CSF flashback



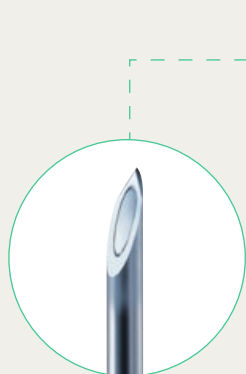
New hub material TRITAN™

- stress-crack resistant
- highly transparent
- not manufactured with: Latex/natural rubber, BPA, DEHP, PVC



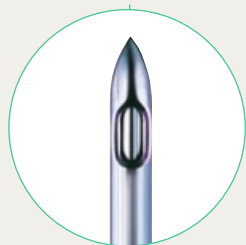
Ergonomic Hub

- designed for enhanced needle control, improved grip and tactile feedback
- for both spinal needle and introducer needle



Spinocan®

Quincke bevel: sharp bevel for low puncture force, even in challenging tissue which can be common for example in elderly patients



Pencan®

Atraumatic Pencil Point bevel: Allows for minimal intrathecal penetration depth, which is beneficial to avoid incomplete blocks, and reduces the risk of PDPH occurrence



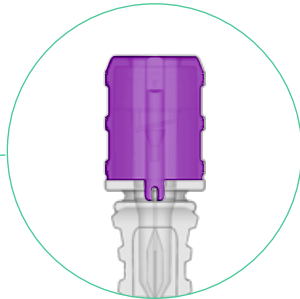
Atraucan®

Two-zone bevel low puncture force as well as minimal puncture trauma – reduced risk of postdural puncture headache (PDPH)



Stylet nose

Indicating "bevel up" and therefore helping for secure orientation during anesthetic application



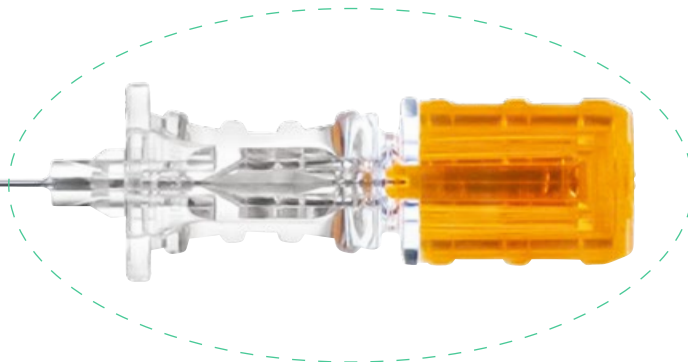
Color-coded needle hub

Easy identification of needle size according to ISO standard



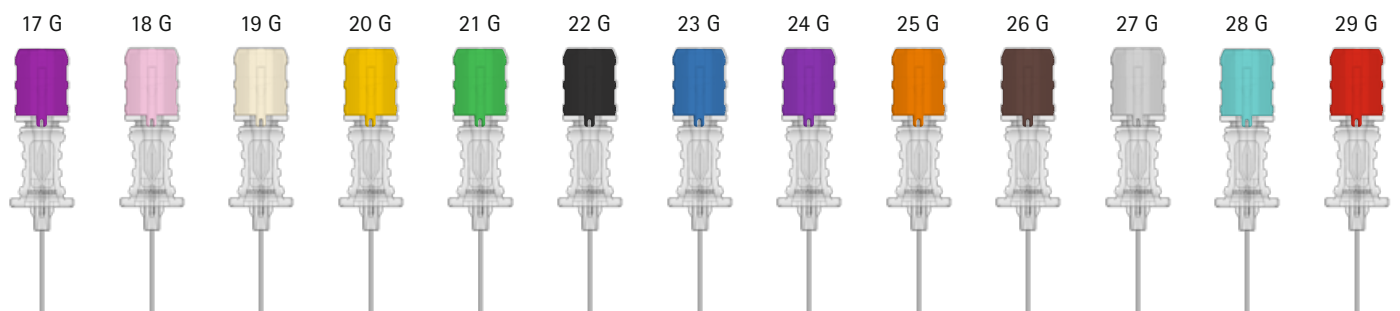
Precision ground metal stylet

Minimized chance of tissue coring



Spinal anesthesia – you have the options

- Wide needle range with different diameters and lengths
- Special designs for paediatrics and obese patients
- B. Braun color code according to ISO



Spinal anesthesia portfolio overview: One for every need

SPINAL NEEDLES

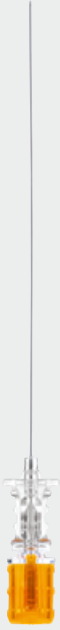
Spinocan®	Color code	Size (G) / Length (inch)	ø / Length (mm)	Units per box	Code no. (REF) NX Luer	Code no. (REF) NX NRFit®
		29 x 3 ½"	0.35 x 88	25	4522901*	4522901N*
		27 x 3 ½"	0.42 x 88		4522701	4522701N
		26 x 3 ½"	0.47 x 88		4522601	4522601N
		25 x 3"	0.53 x 75		4522501	4522501N
		25 x 3 ½"	0.53 x 88		4522502	4522502N
		23 x 3 ½"	0.65 x 88		452230	4522301N
		22 x 1 ½"	0.70 x 40		4522201	4522201N
		22 x 3"	0.70 x 75		4522202	4522202N
		22 x 3 ½"	0.70 x 88		4522203	4522203N
		20 x 3 ½"	0.90 x 88		4522001	4522001N
		18 x 3 ½"	1.30 x 88		4521801	4521801N
	Long Length					
		27 x 4 ¾"	0.42 x 120	25	4522702	4522702N
					4522703*	4522703N*
		25 x 4 ¾"	0.53 x 120		4522503	4522503N
		22 x 4 ¾"	0.70 x 120		4522204	4522204N

* with Spinal Introducer (Luer)

SPINAL NEEDLES

Atraucan®	Color code	Size (G) / Length (inch)	ø / Length (mm)	Units per box	Code no. (REF) NX Luer	Code no. (REF) NX NRFit®
		26 x 3 1/2"	0.47 x 88	25	4542603	-
	Paediatric use					
		26 x 1"	0.47 x 25	25	4542601	-
		26 x 2"	0.47 x 50		4542602	-

SPINAL NEEDLES

Pencan®	Color code	Size (G) / Length (inch)	ø / Length (mm)	Units per box	Code no. (REF) NX Luer	Code no. (REF) NX NRFit®
 		27 x 3 1/2"	0.42 x 88	25	4532702	4532702N
					4532703*	4532703N*
		25 x 3 1/2"	0.53 x 88		4532503	4532503N
					4532504*	4532504N*
		22 x 3 1/2"	0.73 x 88		4532201	4532201N
	Long Length					
		27 x 4"	0.42 x 103	25	4532704	4532704N
					4532705*	4532705N*
		27 x 4 3/4"	0.42 x 120		4532706	4532706N
					4532707*	4532707N*
		25 x 4"	0.53 x 103	20	4532505	4532505N
					4532506*	4532506N*
		25 x 4 3/4"	0.53 x 120		4532507	4532507N
					4532508*	4532508N*
		25 x 6.1"	0.53 x 156		4532510*	4532510N*
	Paediatric use					
		27 x 2"	0.42 x 50	25	4532701	4532701N
		25 x 1"	0.53 x 25		4532501	4532501N
		25 x 2"	0.53 x 50		4532502	4532502N

*with Spinal Introducer (Luer)

SPINAL INTRODUCER

For Spinocan® and Pencan®	Color code	Size (G)/ Length (inch)	ø/Length (mm)	Units per box	Code no. (REF) NX Luer	Code no. (REF) NX NRFit® **
	For Spinal Needles 27 G to 29 G					
		22 x 1"	0.70 x 25	25	4552201	4552201
		22 x 1 3⁄8"	0.70 x 35		4552202	4552202
		22 x 1 3⁄4"	0.70 x 45		4552203	4552203
	For Spinal Needles 24 G to 26 G					
		20 x 1"	0.90 x 25	25	4552001	4552001
		20 x 1 3⁄8"	0.90 x 35		4552002	4552002
		20 x 1 3⁄4"	0.90 x 45		4552003	4552003

** can be used with Spinal Needles NRFit but does not have a NRFit connector!

