



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 worldwide². 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

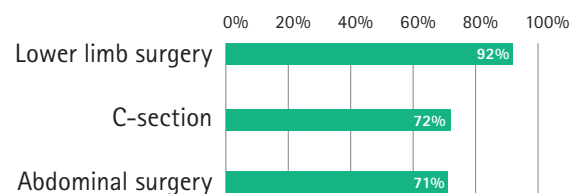
Day: 270,000

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 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



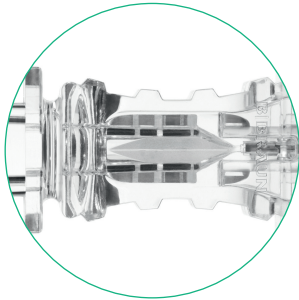
CONTROL

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[®] 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



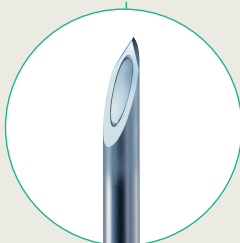
Ergonomic Hub

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



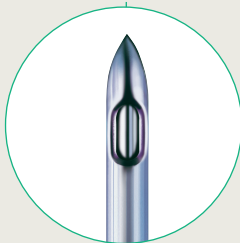
Spinocan[®]

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



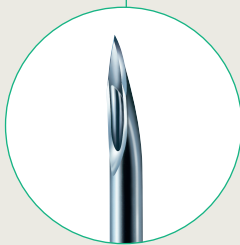
Pencan[®]

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[®]

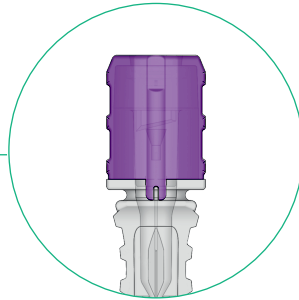
Two-zone bevel low puncture force as well as minimal puncture trauma – reduced risk of postdural puncture headache (PDPH).





Stylet nose

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



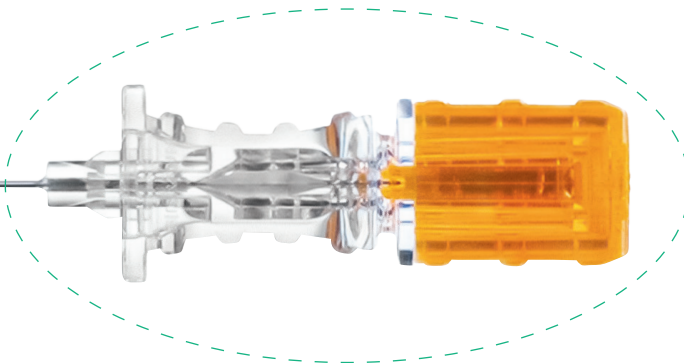
Color-coded needle hub

Easy identification of needle size according to ISO standard



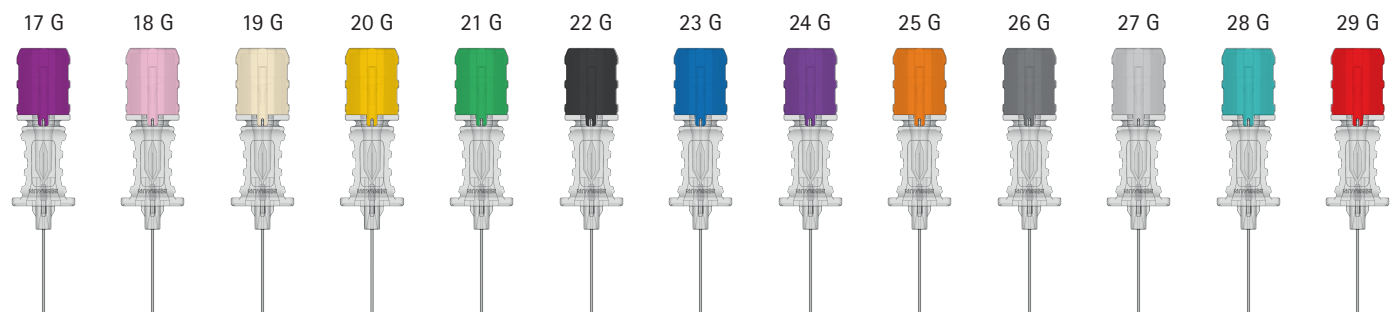
Precision ground metal stylet

Minimized chance of tissue coring









Spinal anesthesia – you have the options

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



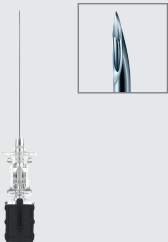



Spinal anesthesia portfolio overview: One for every need

SPINAL NEEDLES

| Spinocan® | Color code | Size (G) / Length (inch) | ø/Length (mm) | Units per box | Code no. (REF) NX Luer | Code no. (REF) NRFit® |
|---|---|--------------------------|---------------|---------------|------------------------|-----------------------|
|   |  | 29 x 3 ½" | 0.35 x 88* | 25 | 4522901* | 4522901N* |
| |  | 27 x 3 ½" | 0.40 x 88 | | 4522701 | 4522701N |
| |  | 26 x 3 ½" | 0.45 x 88 | | 4522601 | 4522601N |
| |  | 25 x 3" | 0.55 x 75 | | 4522501 | 4522501N |
| |  | 25 x 3 ½" | 0.55 x 88 | | 4522502 | 4522502N |
| |  | 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" | 0.40 x 120 | 25 | 4522702 | 4522702N |
| | | | | | 4522703* | 4522703N* |
| |  | 25 x 4 ¾" | 0.55 x 120 | | 4522503 | 4522503N |
| |  | 22 x 4 ¾" | 0.70 x 120 | | 4522204 | 4522204N |

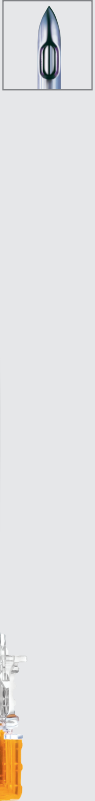











*with Spinal Introducer Needle (Luer)

SPINAL NEEDLES

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


*with Spinal Introducer Needle (Luer)

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" | 0.40 x 88 | 25 | 4532702 | 4532702N |
| | | | | | 4532703* | 4532703N* |
| |  | 25 x 3 1/2" | 0.50 x 88 | | 4532503 | 4532503N |
| | | | | | 4532504* | 4532504N* |
| |  | 22 x 3 1/2" | 0.70 x 88 | | 4532201 | 4532201N |
| | Long Length | | | | | |
| |  | 27 x 4" | 0.40 x 103 | 25 | 4532704 | 4532704N |
| | | | | | 4532705* | 4532705N* |
| |  | 27 x 4 3/4" | 0.40 x 120 | | 4532706 | 4532706N |
| | | | | | 4532707* | 4532707N* |
| |  | 25 x 4" | 0.50 x 103 | 20 | 4532505 | 4532505N |
| | | | | | 4532506* | 4532506N* |
| |  | 25 x 4 3/4" | 0.50 x 120 | | 4532507 | 4532507N |
| | | | | | 4532508* | 4532508N* |
| |  | 25 x 6.1" | 0.50 x 156 | | 4532510* | 4532510N* |
| | Pencan® Paed | | | | | |
| |  | 27 x 2" | 0.40 x 50 | 25 | 4532701 | 4532701N |
| |  | 25 x 1" | 0.50 x 25 | | 4532501 | 4532501N |
| |  | 25 x 2" | 0.50 x 50 | | 4532502 | 4532502N |

*with Spinal Introducer Needle (Luer)

INTRODUCER

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

*with Spinal Introducer Needle (Luer)

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