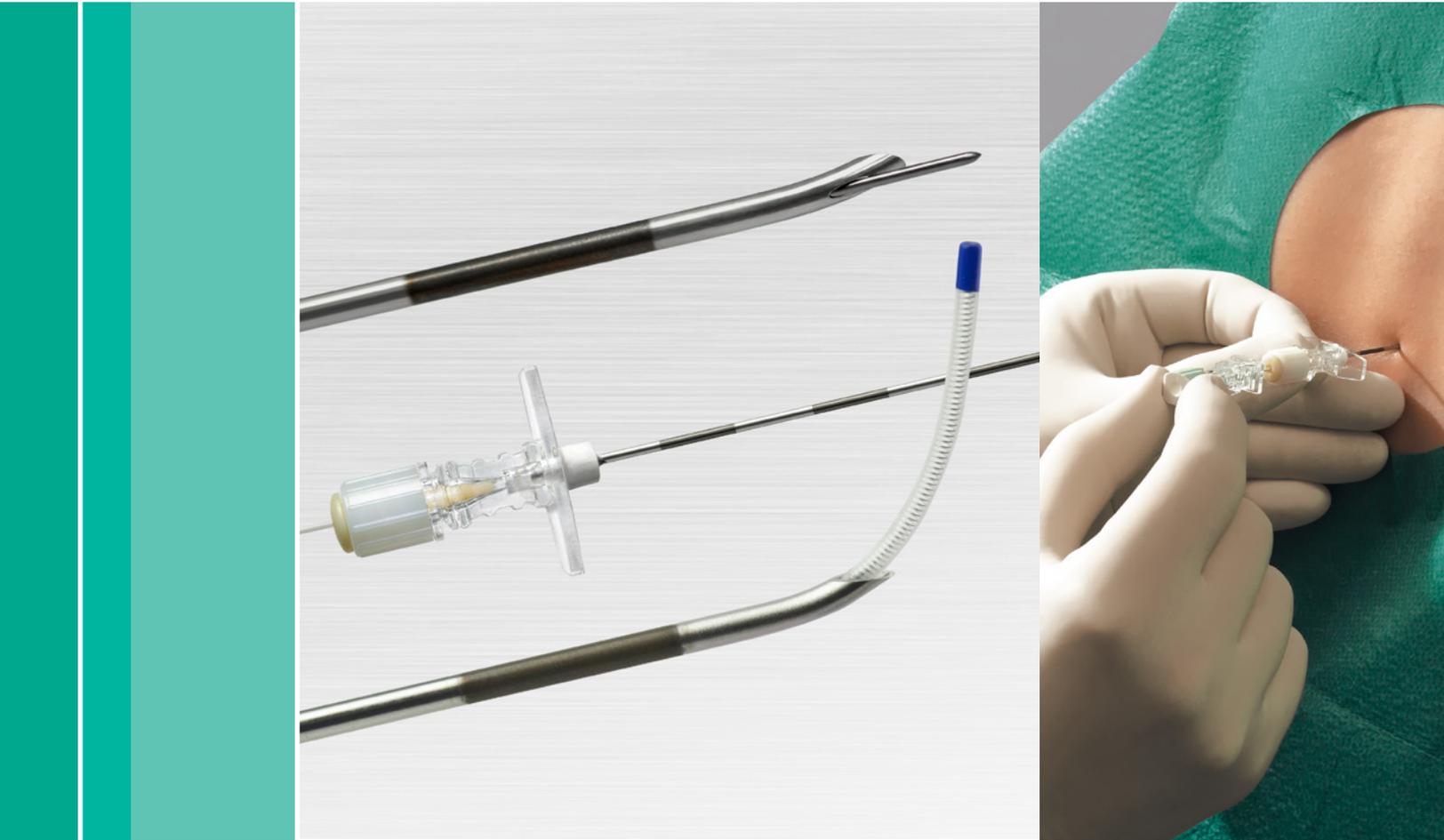


# Combined Spinal-Epidural Anesthesia



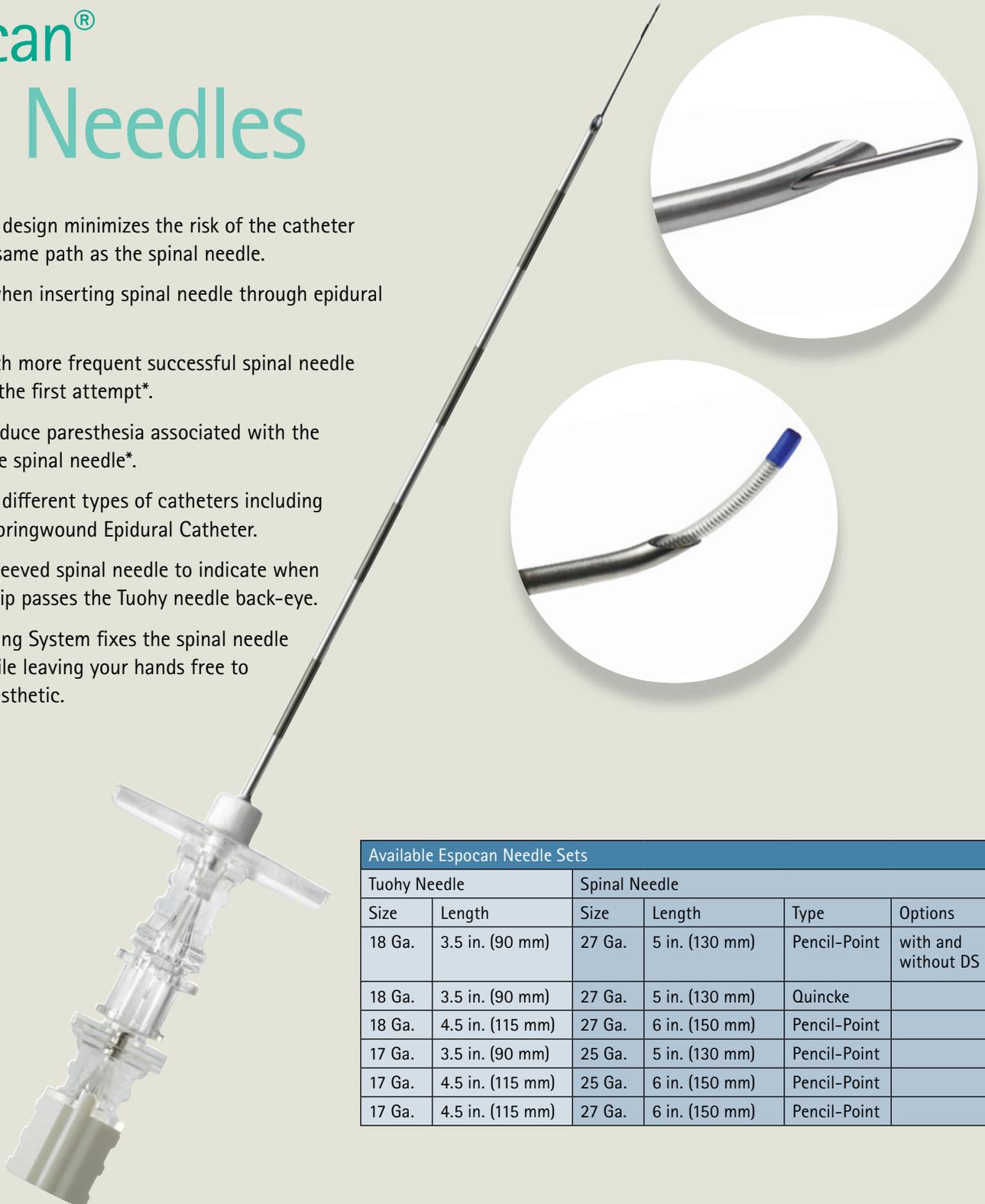
Espocan® CSE Needle System

# Precision. Quality. Control. Reliability.

Features you need to meet today's exacting Pain Control demands — from the worldwide leader in Regional Anesthesia.

## Espocan<sup>®</sup> CSE Needles

- Unique needle design minimizes the risk of the catheter following the same path as the spinal needle.
- No dragging when inserting spinal needle through epidural needle.
- Associated with more frequent successful spinal needle placement on the first attempt\*.
- Designed to reduce paresthesia associated with the insertion of the spinal needle\*.
- Available with different types of catheters including PERIFIX<sup>®</sup> FX Springwound Epidural Catheter.
- Markings on sleeved spinal needle to indicate when spinal needle tip passes the Tuohy needle back-eye.
- Optional Docking System fixes the spinal needle in position while leaving your hands free to administer anesthetic.



Available Espocan Needle Sets					
Tuohy Needle		Spinal Needle			
Size	Length	Size	Length	Type	Options
18 Ga.	3.5 in. (90 mm)	27 Ga.	5 in. (130 mm)	Pencil-Point	with and without DS
18 Ga.	3.5 in. (90 mm)	27 Ga.	5 in. (130 mm)	Quincke	
18 Ga.	4.5 in. (115 mm)	27 Ga.	6 in. (150 mm)	Pencil-Point	
17 Ga.	3.5 in. (90 mm)	25 Ga.	5 in. (130 mm)	Pencil-Point	
17 Ga.	4.5 in. (115 mm)	25 Ga.	6 in. (150 mm)	Pencil-Point	
17 Ga.	4.5 in. (115 mm)	27 Ga.	6 in. (150 mm)	Pencil-Point	

\* Browne I, et al, Anesth. Analg. 2005; 101: "A comparison of Espocan and Tuohy Needles for the combined Spinal-Epidural Technique for Labor Anesthesia."

# Espocan<sup>®</sup> Docking System

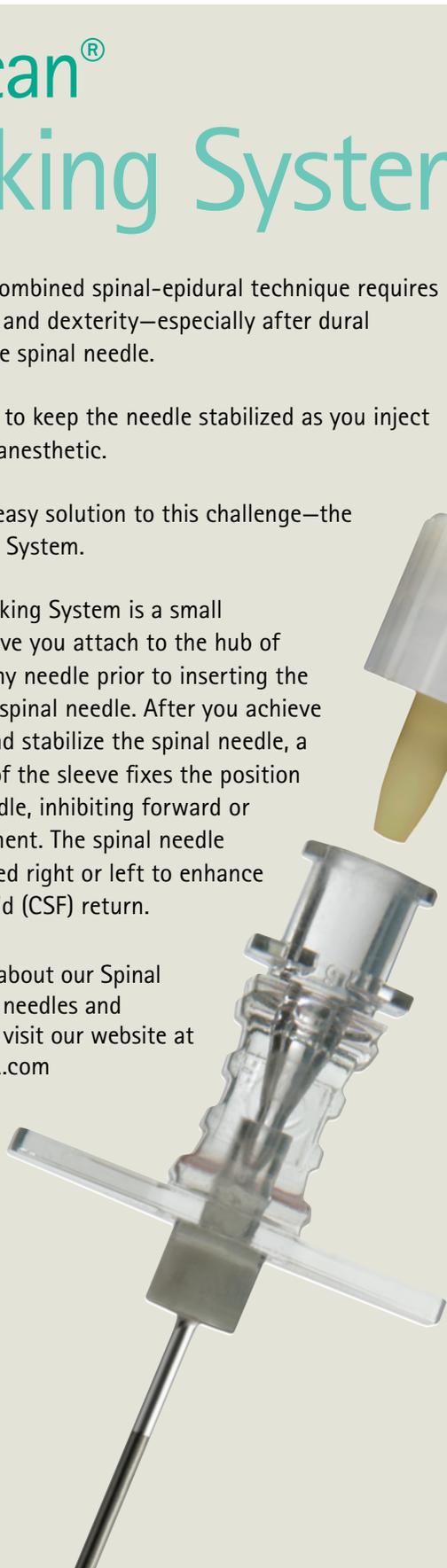
Performing the combined spinal-epidural technique requires your utmost skill and dexterity—especially after dural puncture with the spinal needle.

Your challenge is to keep the needle stabilized as you inject your intrathecal anesthetic.

B. Braun has an easy solution to this challenge—the Espocan Docking System.

The Espocan Docking System is a small compression sleeve you attach to the hub of the Espocan Tuohy needle prior to inserting the Espocan sleeved spinal needle. After you achieve dura puncture and stabilize the spinal needle, a clockwise twist of the sleeve fixes the position of the spinal needle, inhibiting forward or backward movement. The spinal needle can still be rotated right or left to enhance cerebrospinal fluid (CSF) return.

For more details about our Spinal needles, Epidural needles and catheters, please visit our website at [www.BBraunUSA.com](http://www.BBraunUSA.com)



## Docking System Usage

Loosely attach Docking System to epidural hub



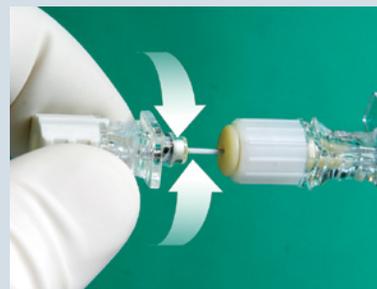
Insert sleeved spinal needle through Docking System sleeve



Once spinal needle is in proper position, rotate Docking System clockwise to fix spinal needle in place



Spinal needle can still be rotated if needed to enhance CSF return





Trays are available in standard and custom configurations.

For information on all B. Braun CSE products, contact your B. Braun representative at **800-227-2862** or visit our website [www.BBraunUSA.com](http://www.BBraunUSA.com)



[www.BBraunUSA.com](http://www.BBraunUSA.com)