



Longer length peripheral catheters help facilitate IV procedures including:

- Ultrasound-guided cannulation (1,2,3,4,5,6,7)
- Access to deeper veins (3,4,7)
- Patients with difficult access (5.6)
- Bariatric patients (5,7)

INTROCAN SAFETY® DEEP ACCESS IV CATHETERS

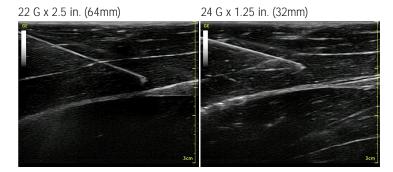
Help reduce the risk of complications associated with accessing deeper veins.



Introcan Safety® Deep Access IV Catheters

Visible under ultrasound

The needle tip and catheter are visible under ultrasound, providing a visualisation aid during the insertion process.⁸



Designed to extend catheter in-dwell duration

Polyurethane catheter material and longer length catheters are associated with extending the duration of therapy. (1,4,5,6,7)



Designed to prevent accidental needle stick injuries

The fully automatic Passive Safety shield requires no manual activation, **CANNOT BE BYPASSED**, and prevents needle reinsertions, reducing the risk of cannula shearing.







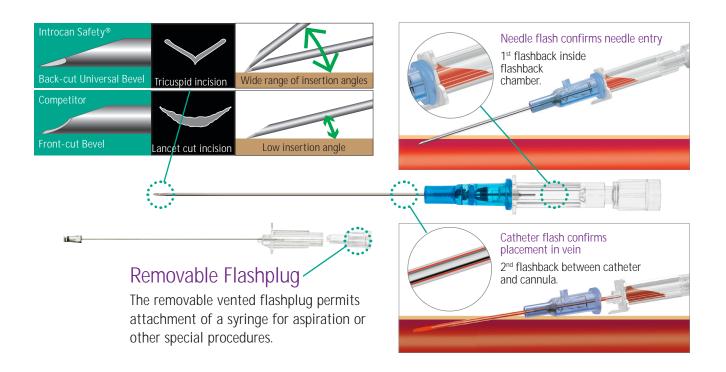
Supporting your best practice

Promotes easy access

The unique design of our Back-cut Universal Bevel produces a precise tricuspid incision designed for more comfortable insertion. It also is designed for a wide variety of insertion angles for deep and superficial vascular access.

Improves first stick success

Double Flashback Technology is designed to provide the clinician with separate needle and catheter flashback, confirming accurate catheter placement and promoting first stick success.



Solutions Key Issues · Australia faces an increasing challenge with a Designed to cannulate deeper veins for growing percentage of overweight and obese patients with difficult venous access, where patients9 superficial veins are damaged, not visible or palpable. Patients with difficult venous access sometimes undergo multiple insertion attempts or end up with a central line.(3) A PICC can cost up to 10 times more than an Can help reduce the costs and risk ultrasound guided PIVC placement.(3) of complications associated with PICC/CVC.(3,6) PICCs/CVCs are commonly associated with hospital-acquired bloodstream infections that prolong hospitalisation and increase cost and mortality.(10)

Introcan Safety® Deep Access Catheters

For more information on our Introcan Safety® Deep Access Catheters, please contact your local B. Braun Representative.

Size		Catheter Length Inch	Catheter Length mm	Flow Rate ml/min	Product Code
	24G	1.25	32	17	4251623-01
	22G	2.5	64	24	4251622-01
	20G	2.5	64	51	4251621-01
	18G	2.5	64	85	4251620-01



Scoppettuolo, Giancarlo. "Ultrasound-guided 'short' midline catheters for difficult venous access in the emergency department: a retrospective analysis." International Journal of Emergency Medicine. 2016. Vol. 9, No.3. Joing, Scott, M.D., Strote, Seth, M.D., Caroon, Liberty, R.D.M.S., Wall, Christopher, M.D., Hess, Jamie, M.D., Roline, Chad, M.D., Oh, Laura, M.D., Dolan, Ben, B.A., Poutre, Robb. Carney, Kathleen, R.N., Plummer, David, M.D., Reardon, Robert, M.D. "Ultrasound-Guided Peripheral IV Placement." The New England Journal of Medicine. June 2012. Vol. 366, No.25 Stone, Phillip, RN, and Britt Meyer, MSN. "Ultrasound-guided Peripheral IV. Access: Guidelines for Practice." American Nurse Today. N.p., Aug. 2013. Web. 05 June 2014.

Moore, Christopher L. "Ultrasound First, Second, and Last for Vascular Access." Journal of Ultrasound in Medicine. July 2014. Vol. 33, No.7.

Elia, Fabrizio, M.D., Ferrari, Giovanni, M.D., Molino, Paola, M.D., Converso, Marcella, M.D., De Filippi, Giovanna, M.D., Milan, Alberto, M.D., Apra, Fanco, M.D. "Standard-length catheters vs long catheters in ultrasoundguided peripheral vein cannulation." The American Journal of Emergency Medicine. 2012. Vol. 30.

Jergensen, Vibeke L., MD, PHD, Moller, Ann M., MD, PHD, DMSc, Nesheim, Sara-Sophie S., MD, Nielsen, Jesper K., MD, Partovi-Deilami, Kohyar, CRNA. "Effect of Ultrasound-Guided Placement of Difficult-to-Place Peripheral

Venous Catheters: A Prospective Study of a Training Program for Nurse Anesthetists." AANA Journal. Apr 2016. Vol. 84, No.2.

Miles, Gayla., Newcomb, Patricia., Spear, Dave. "Comparison of Dwell-Times of Two Commonly Placed Peripheral Intravenous Catheters: Traditional vs. Ultrasound-Guided." Open Journal of Nursing. 2015. Vol. 5.

^{9.} Fryar, Cheryl D. M.S.P.H., Carroll, Margaret D. M.S.P.H., Ogden, Cynthia L. Ph.D. "Prevalence of Overweight, Obesity, and Extreme Obesity Among Adults Aged 20 and Over: United States, 1960-1962 Through 2013-2014." "Prevalence of Overweight and Obesity Among Children and Adolescents Aged 2-19 Years: United States, 1963-1965 Through 2013-2014." National Center For Health Statistics. July 2016.

10. Chopra, Vineet, MD, MSc, Maki, Dennis G., MD, MS, O'Horo, John C., MD, Rogers, Mary A. M., PhD, Safdar, Nasia, MD, PhD. "The Risk of Bloodstream Infection Associated with Peripherally Inserted Central Catheters

Compared with Central Venous Catheters in Adults: A Systematic Review and Meta-Analysis." Infection Control and Hospital Epidemiology. Sept. 2013. Vol. 34, No. 9.