



Value Life

MID & LONG TERM VASCULAR ACCESS



smartmidline®
PRODUCT GUIDE

Introducing smartmidline®

CT-rated midline up to 325psi and 7mL/s*

Easy and quick to place

Direct Seldinger Technique

Midline label

For easy identification

Suitable for all patient and user needs

From 2 to 5Fr and 4 to 25cm

Atraumatic insertion

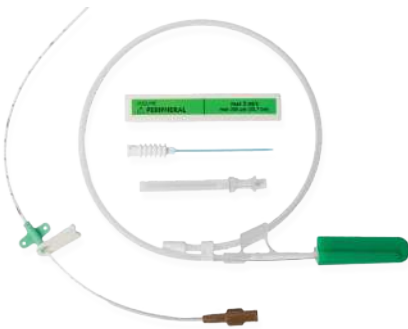
Rounded or conical flexible tip, reduces the risk of thrombosis

Integrated extension line

Keeps manipulation away from the insertion site which reduces the risk of infection

Kit composition**

- Puncture needle, 21G - 4cm or 7cm
- Stainless steel straight guidewire 0.53mm
- Dilator (only included with 3Fr and 4Fr catheter)



Option of Nitinol guidewire

*5Fr catheters are CT-rated with a flowrate of 7mL/s. For other flowrates see the table.

**5Fr catheters are delivered without accessories. Must be used with an MST kit with a 5.5Fr introducer sheath.

Why a midline?

More than 250 million PIVCs* and 300,000 PICCs are placed each year in Europe¹.

But are they always the most suitable devices?

First-attempt insertion of **PIVCs** is unsuccessful in **12-54%** of patients,² while repeated insertion attempts lead to vein trauma and increase the risk of complications.

Up to **69%** of **PIVCs** fail before therapy is complete.³

43% of PICCs are inappropriately used⁴... even though with a PICC, the risk of CLABSI and DVT** is increased.²

Midlines are the perfect alternative



Midline vs. PIVC

- ✓ Only one puncture
- ✓ Reduced failure rate

Midline vs. PICC

- ✓ More cost-effective
- ✓ Preservation of central veins

Midline - the indications

Patients with difficult venous access or those who require more than one PIVC without indications for central venous access.

*PIVCs = Peripheral Intravenous Catheters

**DVT = Deep Venous Thrombosis

Ordering codes

Vygon code				Catheter		Max flowrate (mL/s)	Needle length (cm)	Dilator	
NHSSC NPC	Stainless steel guidewire	NHSSC NPC	Nitinol guidewire**	Size (Fr)	Length (cm)				
FSQ1917	0001281204	-	-	2	4	1.5	4.5	No	
FSQ1918	0001281206	NO NPC	00012812062		6				
FSQ1919	0001281208	NO NPC	00012812082		8	1		No	
FSQ1920	0001281210	-	-		10				
FSQ1921	0001281215	-	-		15	0.5		No	
FSQ1922	0001281220	-	-		20				
FSQ2422	0001281306	-	-	3	6	1.5	Yes		
FSQ2423	0001281308	NO NPC	NEW 00012813082		8		Yes		
FSQ2424	0001281310	NO NPC	NEW 00012813102		10		4 and 7	Yes	
FSQ2425	0001281312	NO NPC	NEW 00012813122		12			Yes	
FSQ2426	0001281315	-	-		15			1	Yes
FSQ2427	NEW 0001281320	-	-		20				Yes
NO NPC	0001281408	NO NPC	NEW 00012814082	4	8	5	4 and 7	Yes	
NO NPC	NEW 0001281410	NO NPC	NEW 00012814102		10			Yes	
FSQ2369	0001281412	NO NPC	NEW 00012814122		12			Yes	
FSQ1923	0001281415	NO NPC	NEW 00012814152		15			Yes	
FSQ1924	0001281420	NO NPC	NEW 00012814202		20			Yes	
FSQ2370	0001281425	NO NPC	NEW 00012814252		25			Yes	
FSQ1925		0001281515*		5	15	7	7	No	
FSQ1926		0001281520*			20		7	No	

*Only 5Fr catheters are delivered without accessories.They must be used with a MST kit with 5,5Fr introducer sheath, ref VGAG1146-557.

**2Fr kits are supplied with J nitinol guidewires and 3Fr and 4Fr are supplied with straight nitinol guidewires.

References

- 1 iData report 2014.
- 2 Helm R.E., Klausner, J.D., Klemperer, J.D., Flint, L.M., & Haug, E. (2015). Accepted but Unacceptable. Journal of Infusion Nursing, 38(3), 189-203.
- 3 Marsh H., Webster J., Flynn J., Mihala G., Hewer B., Fraser J., Rickard C.M Securement methods for peripheral venous catheters to prevent failure: a randomised controlled pilot trial. J Vasc Access 2015; 16 (3): 237-244.
- 4 Chopra V, Flanders SA, Saint S. et al.The Michigan Appropriates Guide for Intravenous Catheters (MAGIC): Results from a Multispecialty Panel Using the RAND/UCLA Appropriateness Method. Annals of Internal Medicine 2015; 163 (6): supplement.

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