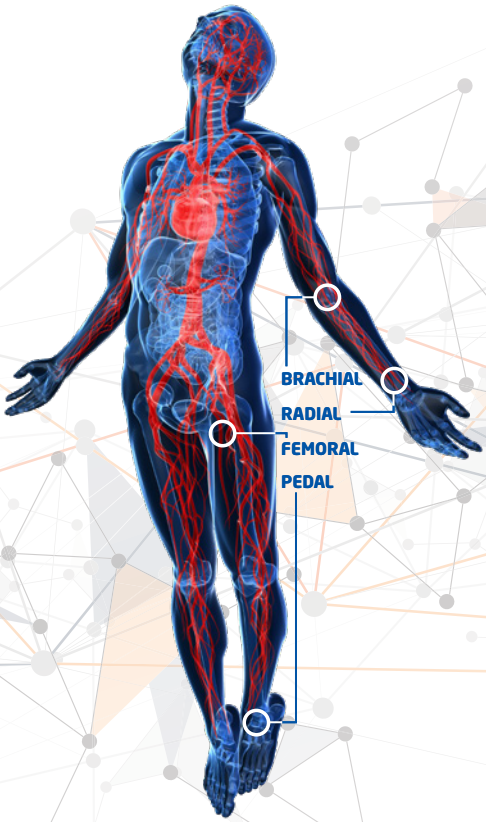
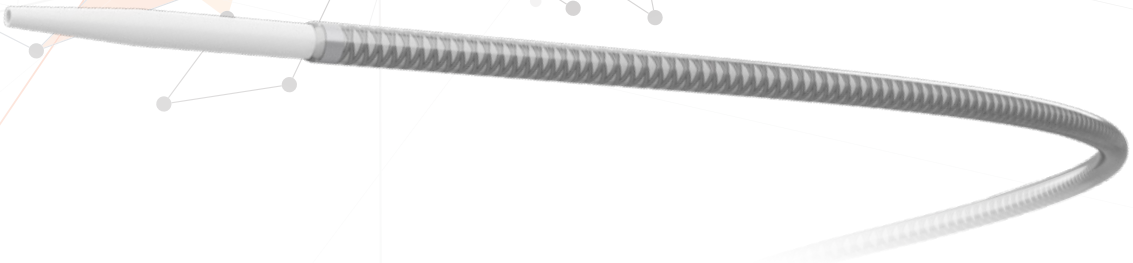
PERIPHERAL INTERVENTIONS

MICRO™
INVASIVE TECHNOLOGIES
by QualiMed® | A Q3 Medical Company

GSQ™

Guiding Sheath





A low profile solution for providing optimal access

5 F

QualiMed®
A Q3 Medical Company

Devices with 5F Sheath Compatibility or smaller

MADE IN GERMANY QUALITY GUARANTEED

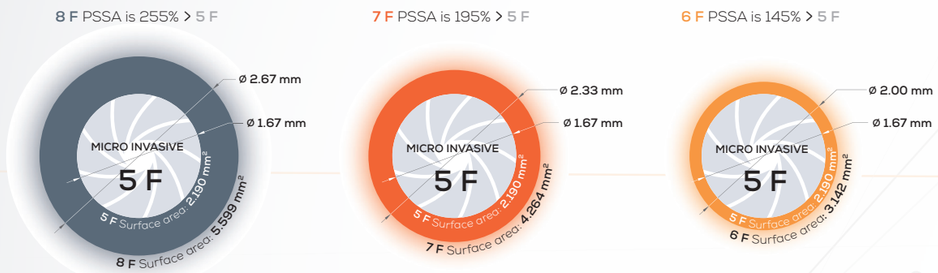
CE MARK CLEARED

GSQ™
Guiding Sheath

The Micro Invasive Technologies **GSQ Guiding Sheath System** is **a flexible guiding sheath and separate dilator** developed to provide **optimal kink resistance and pushability**.

The GSQ guiding sheath is designed to maintain a **small entry tip profile** that resists kinking, yet still provides a large inner diameter to **help with the easy introduction** of therapeutic or diagnostic devices.

PUNCTURE SITE SURFACE AREA (PSSA)



KEY FEATURES & BENEFITS

GUIDING SHEATH

- > **Thinner robust walls** without compromising support
- > **Radiopaque marker** for enhanced visibility on imaging equipment
- > **Smaller incision** and potential for fewer vascular access site complications (VASC)

DILATOR (INCLUDED)

- > **Small entry profile** offers potentially better access to lesions
- > **0.018" Guidewire compatibility** negates necessity for wire exchange
- > **Highly visible** dilator shaft is manufactured with barium sulfate ($BaSO_4$)

Devices with 5F Sheath Compatibility or smaller

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INTRODUCERS/CATHETERS' INNER OUTER

This is why a 5F catheter is compatible with a 5F introducer

	Introducer Sheath	Guiding Catheter	GSQ - MIT
Given Diameter in French	Inside	Outside	Inside
Provided with valve	Yes	No	Yes
Purpose	Vascular System access	Supporting the treatment of the lesions	Both Access and Support
Working Length	5 to 90 cm	50 to 130 cm	15 to 180 cm
Pushability to reach the lesion	–	Variable	Very high
Flexibility	–	Variable	Very high
Torquability	Very high	Variable	Very high
Kinking resistance	Very high	Variable	Very high
Complexity of use	Easy	Easy	Easy

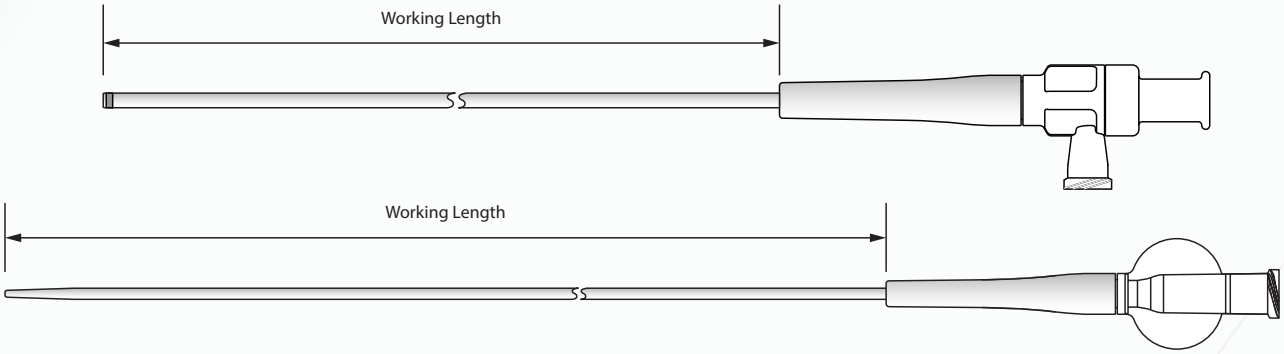
Information for Introducer Sheath and Guiding Catheter are based on competitors' products.

Smaller is **Better**

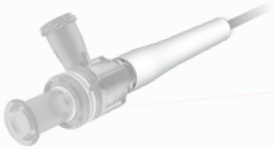
GSQ™
Guiding Sheath

TECHNICAL SPECIFICATIONS

Description	Guiding sheath with included dilator
Recommended Guidewire	0.018" (0.46 mm)
GSQ Working Length	15 cm | 25 cm | 45 cm | 80 cm | 100 cm | 120 cm | 150 cm | 180 cm
GSQ Visibility	One platinum/iridium marker at distal end of catheter
Dilator Working Length	25 cm | 35 cm | 55 cm | 90 cm | 110 cm | 130 cm | 160 cm | 190 cm
Dilator Visibility	Barium Sulfate ($BaSO_4$) incorporated into entire catheter length
Dilator Entry Profile	3.4F (~1.13 mm)



ORDER INFORMATION*



GSQ
Guiding Sheath

Length (cm)	Product code
15	GSQ015A5
25	GSQ025A5
45	GSQ045A5
80	GSQ080A5
100	GSQ100A5
120	GSQ120A5
150	GSQ150A5
180	GSQ180A5

*GSQ device package includes corresponding dilator

KEY FEATURES

> **Thinner robust walls**
Reduces puncture site surface area without compromising support

> **Enhanced visualization**
Radiopaque marker allows for enhanced visibility on imaging equipment

> **Smaller incision / Puncture Site**
Potential for fewer vascular access site complications (VASC)[1]

5F SHEATH COMPATIBILITY OR SMALLER

Access through the **Radial**, **Brachial**, **Femoral** or **Pedal** artery: Our Micro-Invasive Technology is focused on reducing **Puncture Site Diameter** (**PSD**) and **Puncture Site Surface Area** (**PSSA**) by minimizing the device entry and crossing profiles to 5F or less while maintaining device functionality. By reducing profile and maintaining functionality, **Vascular Access Site Complications (VASC)** can be significantly reduced with the added potential to eliminate the need and cost associated with **Vascular Closure Devices** (**VCD**).[1,2]

DESIGNED TO

> Minimize Device Profile
> Maintain Device Functionality
> Reduce Puncture Site Diameter (PSD)
> Reduce Puncture Site Surface Area (PSSA)
> Reduce Vascular Access Site Complications (VASC)[1]
> Reduce Utilization of Vascular Closure Devices (VCD)
> Allow to reach more distal lesions thanks to lower profiles
> Offer operator more access sites options

1. Grossman PM, Gurm HS, McNamara R, et al. Percutaneous coronary intervention complications and guide catheter size: bigger is not better. JACC Cardiovasc Interv. 2009;2:636-644.
2. Bague N, Costargent A, Kaladji A, Chaillou P, Vent PA, Guyomarc'h B, Quillard T, Gouëffic Y. The FREEDOM Study: A Pilot Study Examining the Feasibility and Safety of Early Walking following Femoral Manual Compression after Endovascular Interventions Using 5F Sheath-Compatible Devices. Ann Vasc Surg. 2018 Feb;47:114-120. doi: 10.1016/j.avsg.2017.09.011. Epub 2017 Sep 23. PMID: 28947216.

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GUIDING SHEATH (GSQ)
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