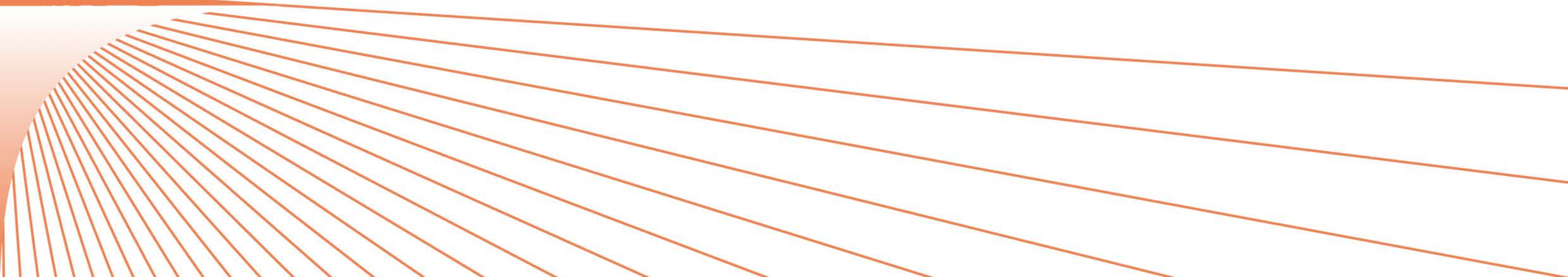










VPG Surgical Fibers

- LP Bare Tip Fiber
- LP Radial Tip Fiber
- LP Cone Tip Fiber
- HP Bare Tip Fiber
- OnePush Bare Tip Fiber





VPG Surgical Fiber LP – Bare Tip


-  **Dentistry**
-  **Proctology**
-  **Gynecology**
-  **Neurosurgery**
-  **General surgery**
-  **Otorhinolaryngology**



Drawing on decades of expertise in fiber laser technology, VPG LaserOne has developed the VPG Surgical Fiber LP – Bare Tip, a versatile instrument designed for use with the VTLase medical laser system. This bare tip fiber is intended for precise tissue dissection, vaporization, and coagulation across open, endoscopic, and laparoscopic surgeries. It is particularly well-suited for delicate procedures where minimal thermal damage and high control are essential.

- 

Multi-specialty use
engineered for cross-disciplinary application, enhancing surgical precision in both soft and hard tissue procedures
- 

Adaptability
allows surgeons to select the most appropriate fiber configuration based on tissue type, surgical access, and clinical objectives
- 

Wide range of diameters (200–940 μm)
supports diverse surgical needs with variable fiber flexibility and beam delivery characteristics

Specifications

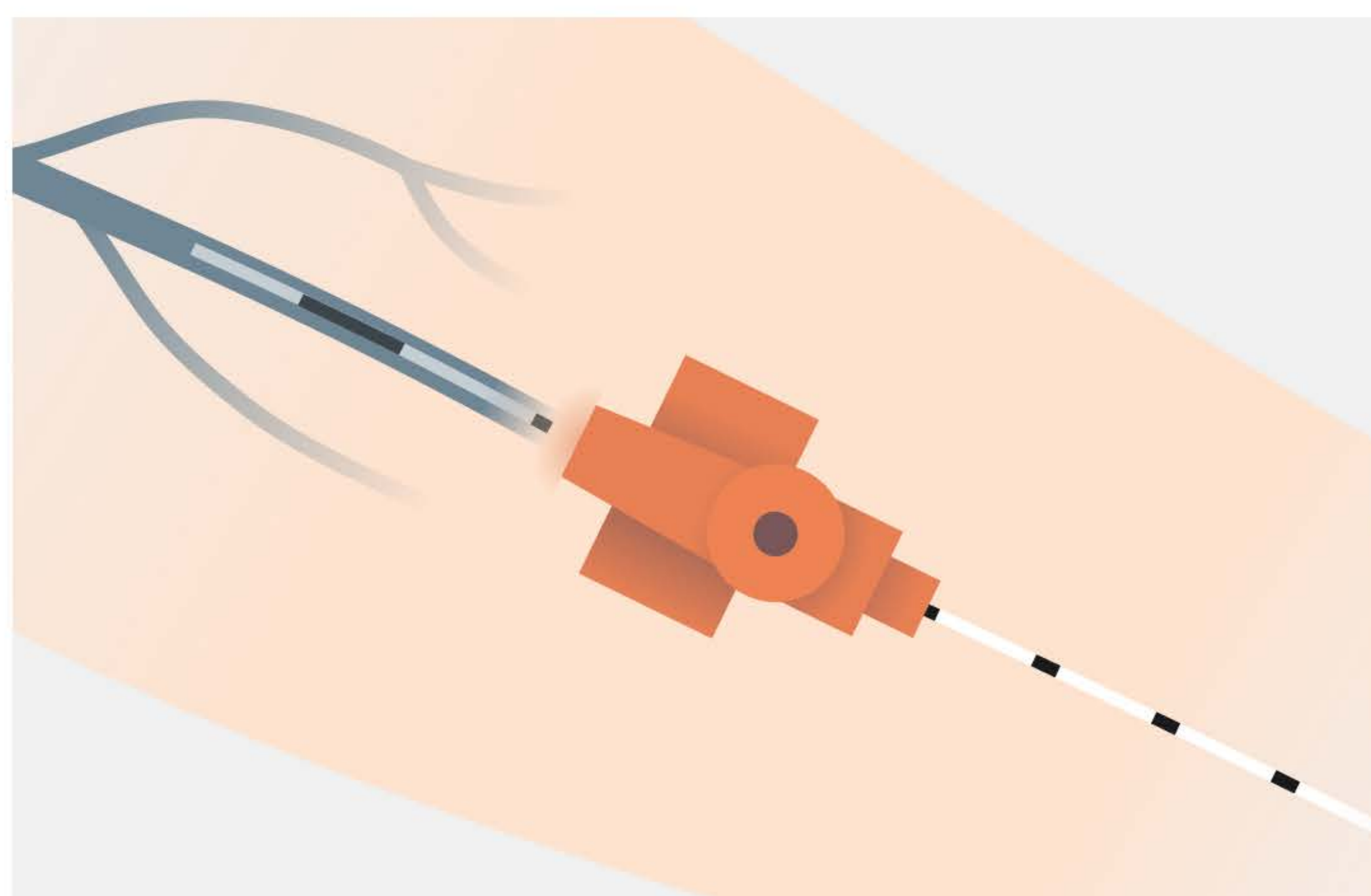
Parameter	LP 200 μm	LP 365 μm	LP 550 μm	LP 940 μm
Fiber core diameter, μm	200	365	550	940
Outer fiber diameter, μm	500	650	800	1650
Fiber length, m	3			
Connector type	SMA-905			

VPG Surgical Fiber LP – Radial Tip

 Phlebology (EVLT)

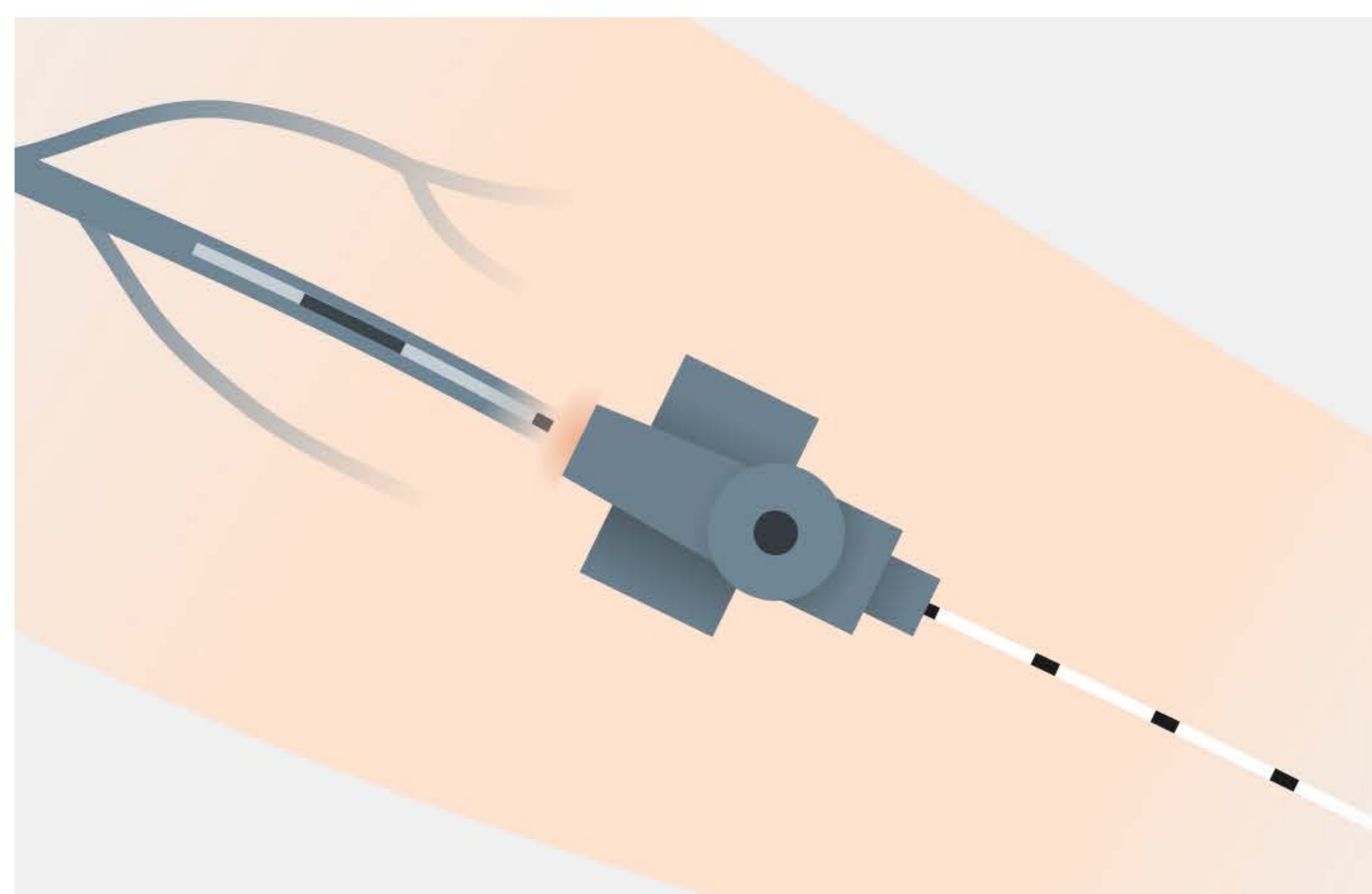
 Proctology

Primarily designed for EVLT, this fiber delivers radial laser emission for uniform vessel wall ablation, reducing the risk of perforation or collateral tissue damage. Also suitable for selected proctologic applications.



LP Radial Fiber R550

550 μm core diameter –
compatible with 14G catheter



LP Radial Fiber R365

365 μm core diameter –
compatible with 16G catheter

Parameter	R365 Fiber	R550 Fiber
Fiber core diameter, μm	365	550
Outer fiber diameter, μm	650	1200
Flask diameter, mm	1.2	1.4
Compatible catheter	16 G	14 G
Fiber length, m	3	
Connector type	SMA-905	

VPG Surgical Fiber LP – Cone Tip

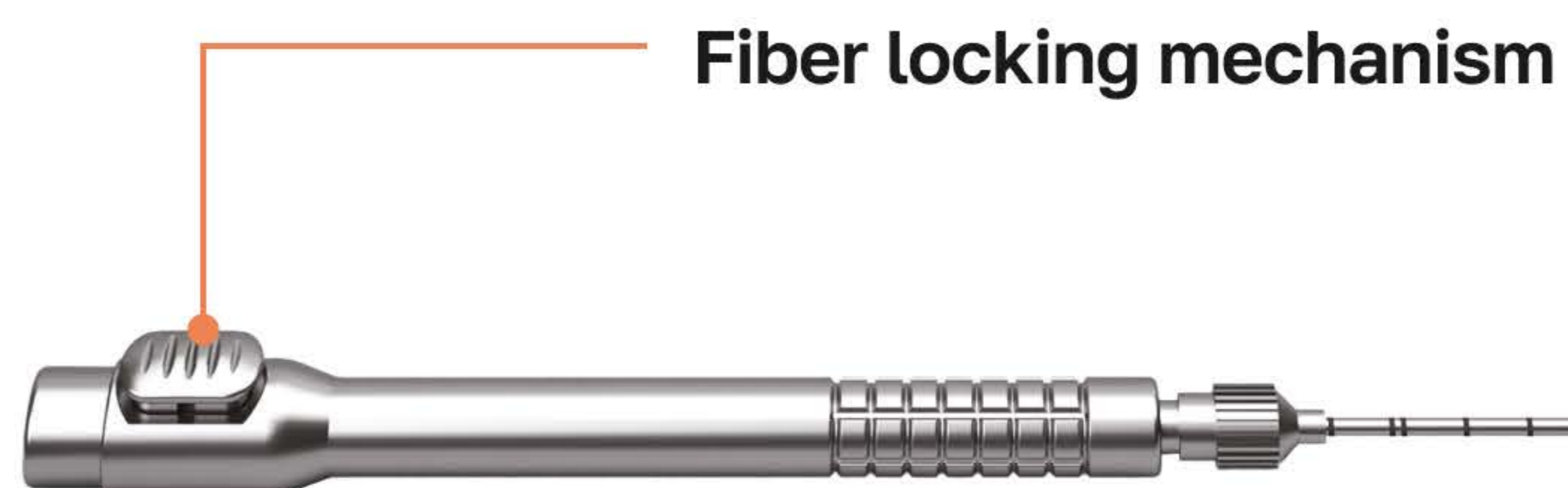
 Proctology

A widely used minimally invasive method for treating grade II–III hemorrhoids, laser vaporization is made easier and more precise with the Cone Tip fiber.



Cone-shaped fiber holder

The conical geometry of the fiber facilitates smooth insertion into the hemorrhoidal node, ensuring effective and targeted laser delivery.



Specifications

Parameter	Value
Fiber core diameter, μm	550
Outer fiber diameter, μm	1200
Flask diameter, mm	1.4
Fiber length, m	3
Connector type	SMA-905

VPG Surgical Fiber HP – Bare Tip

 **Lithotripsy**

 **Soft tissue surgery**

This fiber is specifically engineered for high-power laser platforms, including the FiberLase S/SP/SP+ series by VPG LaserOne, and is also suitable for third-party laser systems featuring SMA-905 connectors.



The VPG Surgical Fiber HP is a high-performance optical fiber designed to deliver laser energy precisely from the laser system to the surgical site. It is equipped with a universal SMA-905 connector, ensuring compatibility with most medical laser systems.



High manufacturing precision

built to strict high-tech production standards



Global clinical use

recognized and applied by healthcare providers worldwide



150 μm fiber option

ideal for flexible ureteroscopy and micropuncture procedures

Specifications

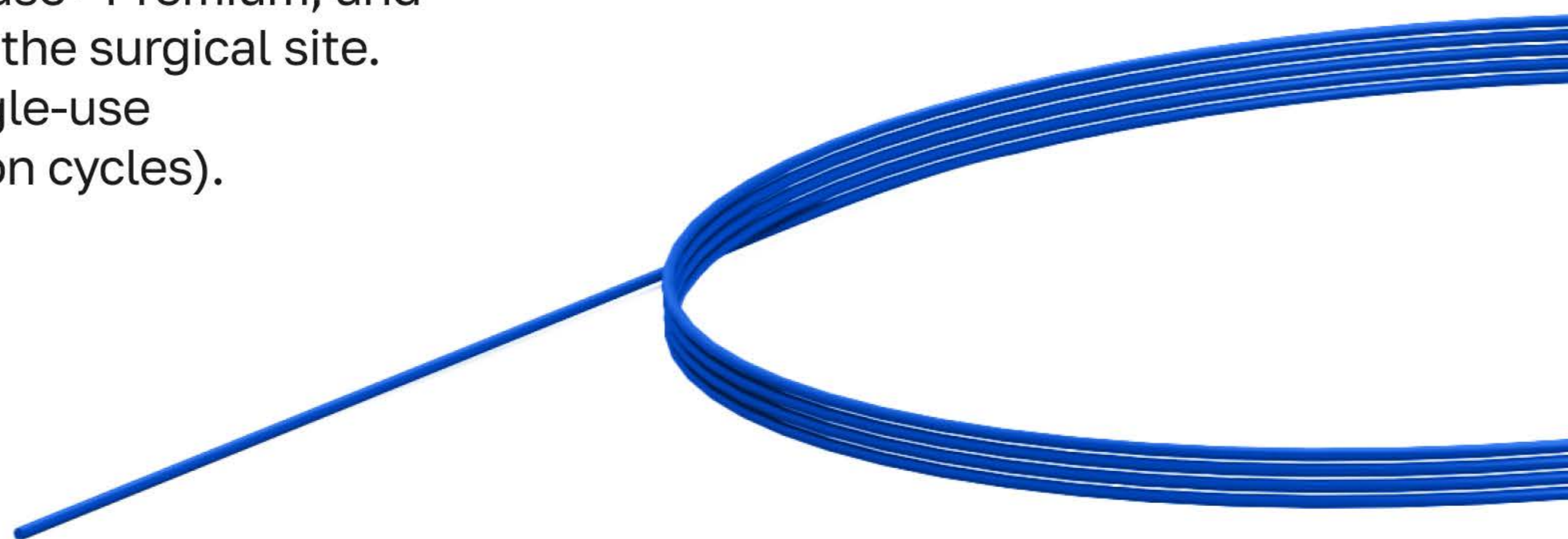
Fiber core diameter, μm	150	200	365	550	940
Outer fiber diameter, μm	315 ± 105	400 ± 90	600 ± 150	800 ± 150	1500 ± 300
Optical fiber type	Quartz/Quartz				
Fiber length, m	3				
Connector type	SMA-905				
Numerical aperture (NA)	0.22				

VPG Surgical Fiber OnePush Bare Fiber

 **Lithotripsy**

 **Soft tissue surgery**

The VPG Surgical Fiber OnePush is engineered to transmit laser energy from Urolase+, Urolase+ Premium, and Urolase MAX systems directly to the surgical site. It is available in two formats: single-use and reusable (up to 10 sterilization cycles).



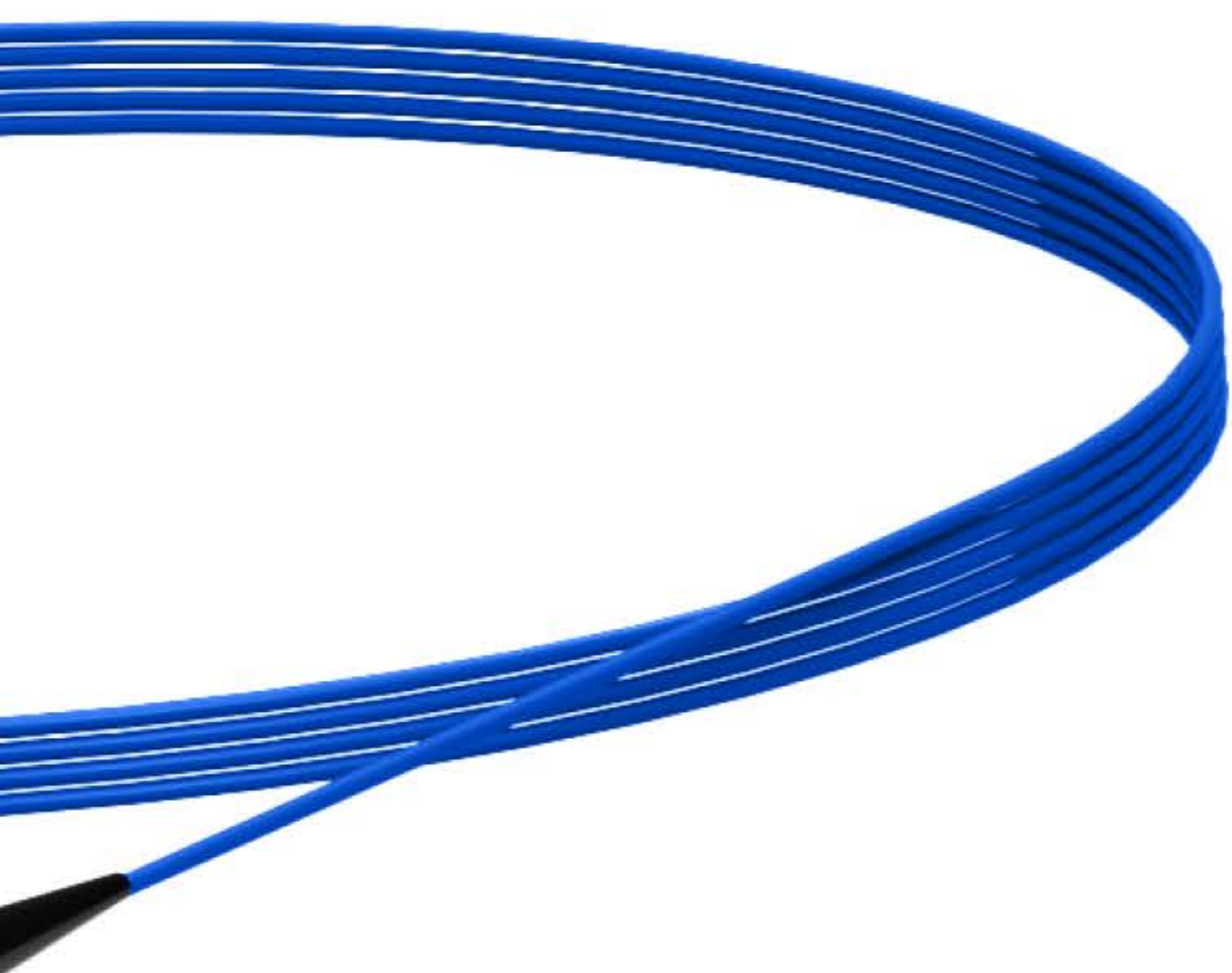
Specifications

Fiber core diameter, μm	150	200	365	550	940
Outer fiber diameter, μm	315 ± 105	400 ± 90	600 ± 150	800 ± 150	1500 ± 300
Number of uses	Single-use or Reusable (up to 10 times)				
Fiber length, m	3				
Connector type	OnePush				

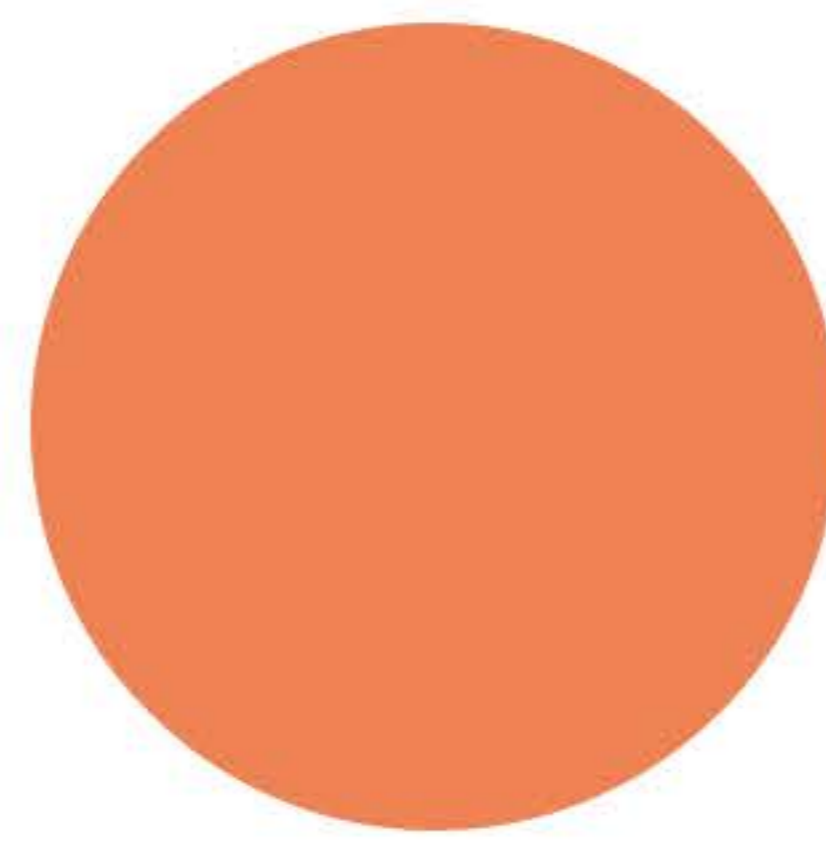
VPG OnePush Surgical fiber

Single use

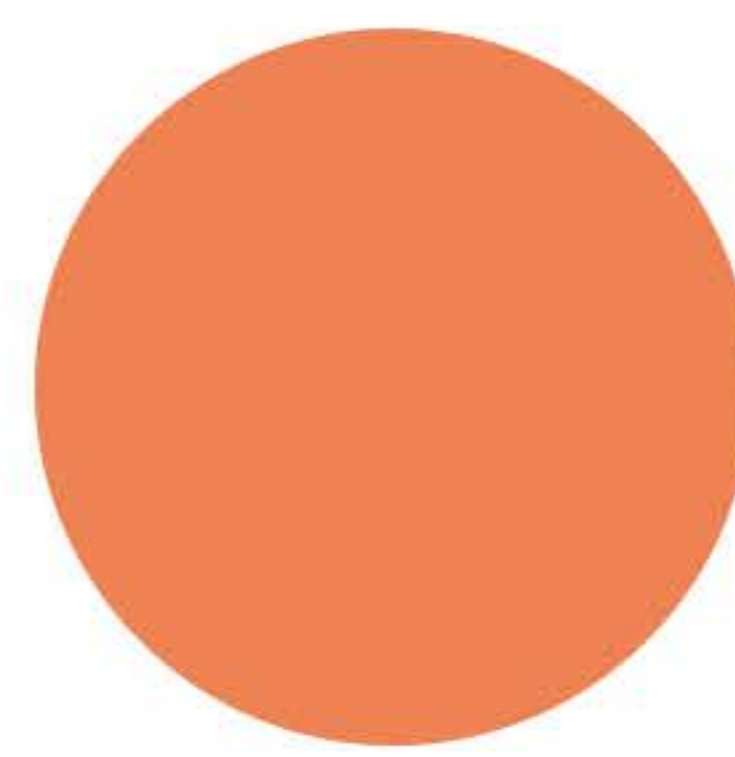
Multiple use



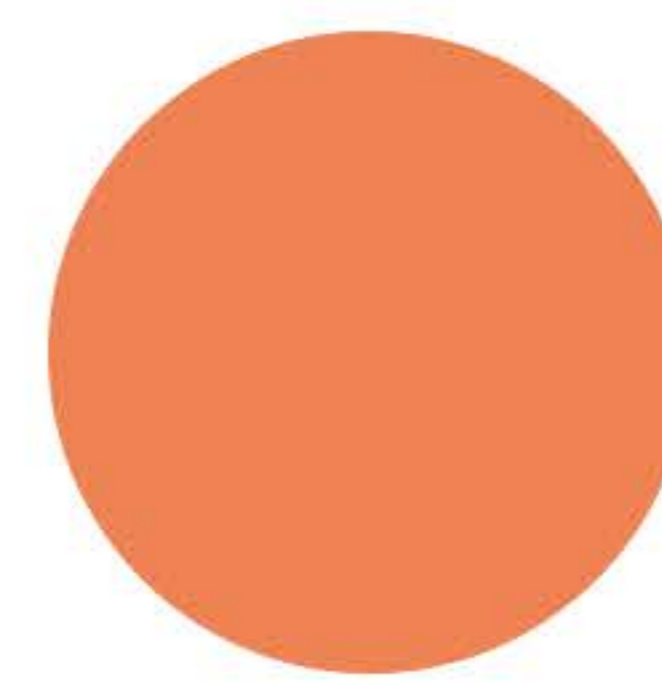
Available diameters, μm



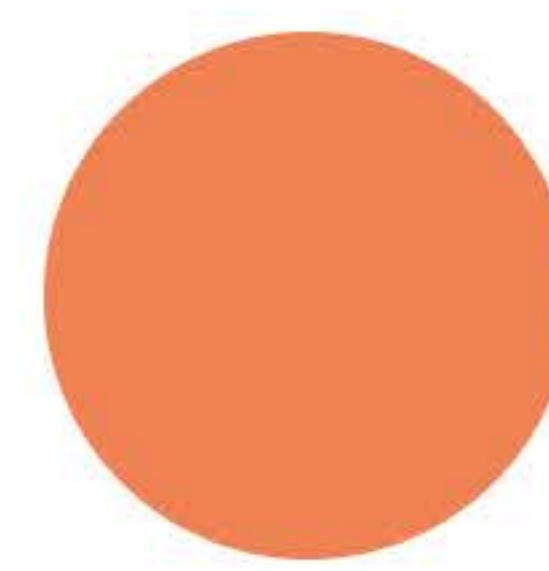
940 μm



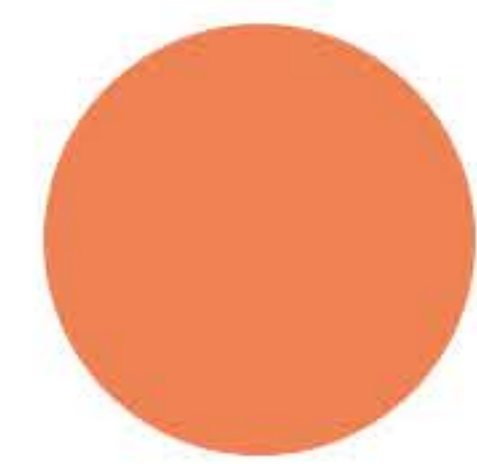
550 μm



365 μm



200 μm



150 μm



Exceptional quality

manufactured
under strict
high-tech standards



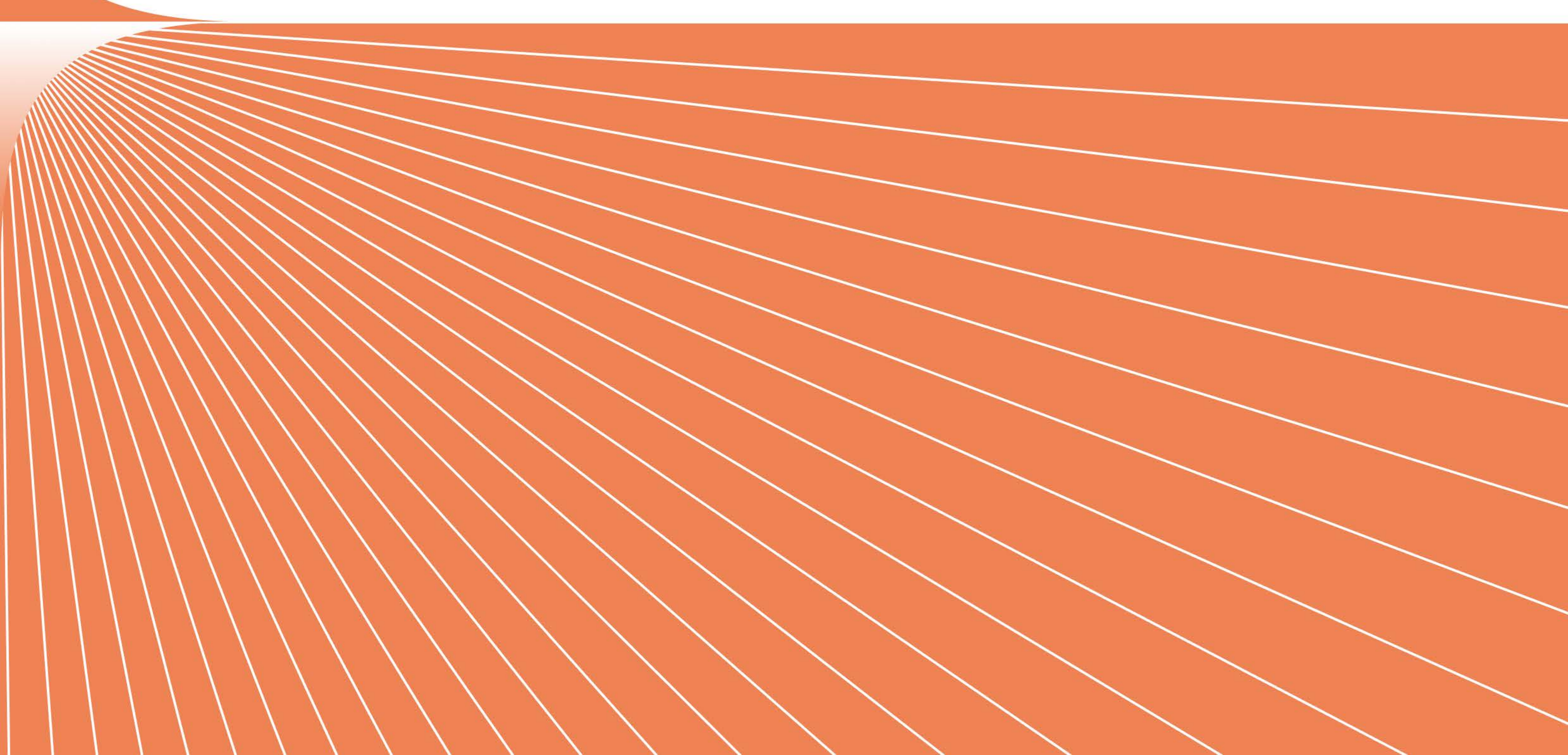
OnePush connector

instant, reliable
fiber-to-system
connection



150 μm core

ideal for flexible
ureteroscopy and
micropuncture procedures





Pioneering precision laser technology

VPG LaserOne LLC (formerly IPG IRE-Polus Ltd.) is a vertically integrated company established by an outstanding Soviet scientist, Valentin Pavlovich Gapontsev, the founder of the international scientific and technical IPG Photonics Corporation.

VPG LaserOne is a globally recognized leader in fiber lasers and amplifiers, and devices and systems based on them. Drawing on deep expertise and decades of experience, VPG LaserOne LLC designs and supplies medical laser devices and surgical fiber for a wide range of applications.

VPG LaserOne develops advanced medical laser devices through a full-cycle process that includes device engineering, development of clinical application protocols, in-vitro research in its laboratory and clinical trials conducted with leading clinical centers.



1991

Year of establishment



>1M

Patients treated annually



50+

Patents in laser
medical technologies



>3000

Medical laser systems
installed worldwide since 2017