

APERIO® Thrombectomy Device

Various sizes for tailored treatment

RELIABLE.
VARIABLE.
SAFE.

xcandis®

ENGINEERING STROKE SOLUTIONS

RELIABLE NITINOL THROMBECTOMY DEVICE FOR FAST FLOW RESTORATION

RELIABLE.

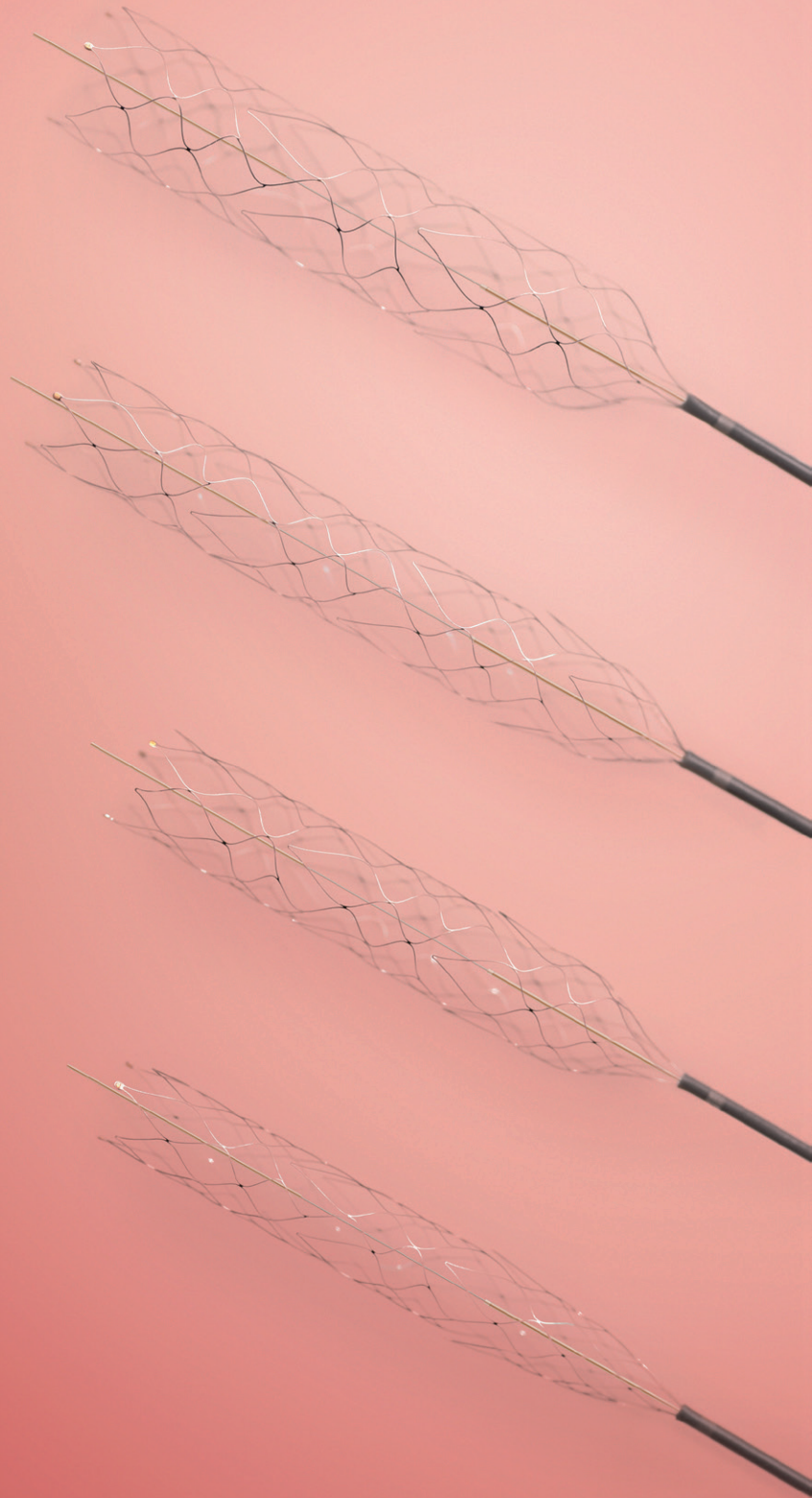
- **Good vessel wall apposition and clot integration** based on
 - Effective hybrid cell design
- **Precise placement and device opening control** thanks to
 - Easy and clear radiopaque marker concept

VARIABLE.

- **Comprehensive field of application** due to
 - Enhanced compatibility with smaller microcatheters
- **High versatility** due to
 - Adaptable device working length

SAFE.

- **Optimal safety during procedure** thanks to
 - Improved design
- **Enhanced delivery and accurate placement** because of
 - Nitinol transport wire with s.e.c.u.r.e. GP Technology



AVAILABLE SIZES

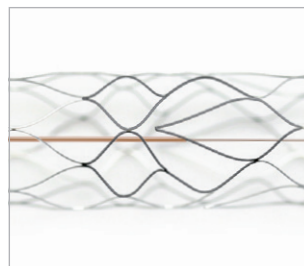
The APERIO® Thrombectomy Device is available in four sizes with 3.5, 4.5 and 6.0 mm diameter. The device range is suitable for vessel diameters from 1.5 to 5.5 mm.

IMPROVED DESIGN

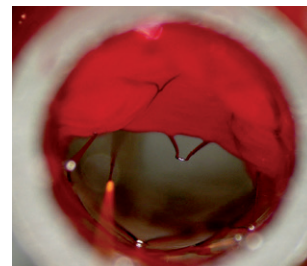
The low friction design in combination with the sleek surface of the transport wire lead to improved delivery performance and optimal safety during the procedure.

HYBRID CELL DESIGN

The APERIO® Thrombectomy Device features a hybrid cell design. The small closed cells ensure a good vessel wall apposition and improved expansion into the clot. The large open cells with integrated anchoring elements are designed to assure efficient clot retention for confident and atraumatic retrieval even in tortuous vessel anatomies. Taken together, these two cell designs build up a functional segment.

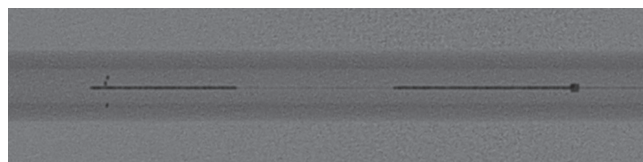


Functional segment



RADIOPAQUE MARKER CONCEPT




Three gold X-ray markers on the distal end of the device provide a permanent control of the position and expansion behaviour of the device. Two transport wire markers indicating the tip and the proximal end allow for increased visibility enabling a safe and precise placement. Thus the total length of the device is visible under fluoroscopy.



ENHANCED MICROCATHETER

COMPATIBILITY

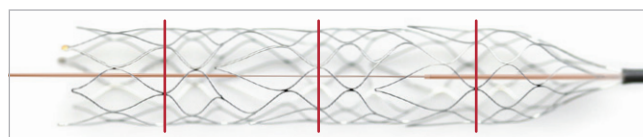
The APERIO® Thrombectomy Device can be used with microcatheters with an ID ranging from 0.0165" to 0.027", depending on the device size. The enhanced compatibility with smaller microcatheters allows for an increased aspiration lumen and easier thrombus passage. Moreover, all devices are compatible with 0.021" ID microcatheters, meaning that there is no need to exchange the microcatheter if a different size of the device is chosen during the procedure.

NeuroSlider® 27	NeuroSlider® 21	NeuroSlider® 17
Area left for aspiration: 0.56 mm ²	Area left for aspiration: 0.86 mm ²	Area left for aspiration: 1.03 mm ²
	Increase of aspiration lumen: > 53 % (compared to NeuroSlider® 27)	Increase of aspiration lumen: > 19 % (compared to NeuroSlider® 21)
		
NeuroBridge® 52 Intermediate Catheter	Aspiration lumen	NeuroSlider® Microcatheter

Tab. 1: Increase of aspiration lumen

ADAPTABLE DEVICE LENGTH

Because of the repeating functional segments of the device it is possible to adapt the working length to the thrombus length without any loss of functionality.



Two functional segments

s.e.c.u.r.e. GP TECHNOLOGY

The APERIO® Thrombectomy Device is equipped with a Nitinol transport wire using the s.e.c.u.r.e. GP Technology engineered to meet the demands of a reliable and effective procedure. The sleek surface of the transport wire changes into a unique checkered surface, perceptible visually and by touch, at the fluoroscopy marker point, to enhance the grip and push forward for a controlled and safe placement.



ORDERING INFORMATION

Labelled APERIO® Dimensions (mm)	Reference Number	Device Diameter (mm)	Device Length (mm)	Recommended Vessel Diameter (mm)	Compatible Microcatheters for Delivery (inch)
3.5 × 28	01-000700	3.5	28	1.5 – 3.0	0.0165 – 0.021
4.5 × 30	01-000701	4.5	30	2.0 – 4.0	0.0165 – 0.021
4.5 × 40	01-000702	4.5	40	2.0 – 4.0	0.021 – 0.027
6.0 × 40	01-000703	6.0	40	3.5 – 5.5	0.021 – 0.027

Recommended Microcatheters

Product Name	Reference Number*	ID (inch)	OD dist. / prox. (French)	Usable Length (cm)
NeuroSlider® 17	01-000272	0.0165	1.9 / 2.1	155
NeuroSlider® 21	01-000273	0.021	2.4 / 2.5	155
NeuroSlider® 27	01-000274	0.027	3.0 / 3.6	155

* For availability please contact your local representative from Acandis®.

Distributed by:



ACANDIS GmbH & Co. KG
Theodor-Fahrner-Str. 6
75177 Pforzheim
Germany

Tel: +49 7231 155 00 0
Fax: +49 7231 155 00 129
E-Mail: info@acandis.com
www.acandis.com