



Products for Vascular Surgery

Better ideas, better health.

We produce guidewires for vascular surgery, which are perfectly adapted to the application-specific requirements with their material and design. From extremely thin and flexible wires for smallest vessels, to stiff Lunderquist® wires for stable wire guidance - EPflex offers the perfect solution for every application.

In addition to a diverse standard portfolio, individually developed products can be realized upon customer request - from sampling to regulatory approval.

EPflex, a family business in its second generation, has now been successful on the market for more than 25 years as an innovation leader in the industry. Still growing, we have already hired more than 400 employees.

OUR SERVICES

- Sampling and series production
- Standard portfolio and collaborative product development
- Different packaging options (bulk/dispenser/sterile)
- Made in Germany
- **CE** certification for certain applications possible
- **DIN EN ISO 13485** certification

POSSIBLE APPLICATIONS

- Central venous catheter placement (Cardiology)
- TAVI (Cardiology)
- EVAR (Cardiology)
- PTCA (Cardiology)
- PTA (Peripheral interventions)





BASIC LINE

The EPflex Basic Line offers a choice of different stiffnesses and dimensional differences for an individual wire performance. Furthermore, the cost-efficient production makes the product attractive in pricing.

TECHNICAL DETAILS

- Straight or J-tip
- One or both sides flexible
- Stainless steel core wire
- PTFE coated or uncoated spring

STANDARD DIMENSIONS

Length	Diameter
10 - 260 cm	0.015" - 0.054"



NITI LINE

The Niti Line offers extreme kink resistance and flexible wire behavior due to a Nitinol core wire connected with a stainless steel spring. A patented welding process enables optimum tensile strength and maximum safety during the application.

TECHNICAL DETAILS

- Straight or J-tip
- One or both sides flexible
- Nitinol core wire
- PTFE coated or uncoated spring
- With length markers available

STANDARD DIMENSIONS

Length	Diameter
45 - 70 cm	0.018" - 0.035"



STRIPE LINE

The Stripe Line features a Nitinol core wire and therefore a very high kink resistance and flexibility. The two-colored PTFE tube also enables effective pushability and ideal visibility, which is particularly enhanced at the tip of the wire.

TECHNICAL DETAILS

- Straight or angled tip
- Two-color PTFE heat shrink tube (color choice according to customer specification)
- Nitinol core wire
- Tungsten or platinum spring for particularly good X-ray visibility at the wire tip

STANDARD DIMENSIONS

Length	Diameter
150 - 260 cm	0.035"



MICRO LINE EVAR + TAVI

The Micro Line for endovascular aortic repair offers high stiffness for optimal pushability and guidance. The PTFE coating also ensures low surface friction. EPflex additionally offers guidewires in its portfolio that can be used specifically in aortic valve replacement. With a stiff shaft and an atraumatic, form-stable „pigtail” tip, this type of wire combines the optimal properties for secure positioning of the wire in the heart chamber.

TECHNICAL DETAILS

- Various tip shapes available
- Stainless steel core wire for high stiffness
- PTFE coated shaft
- „Pigtail” tip for TAVI wires

STANDARD DIMENSIONS

Length	Diameter
260 cm	0.035"



MICRO LINE PTCA + PTA

The Micro Line for use in the coronary arteries is designed with a PTFE-coated stainless steel shaft that offers the best possible stiffness and torque transmission. At the tip, a platinum spring and a hydrophilic coating ensure optimal radiopacity and best gliding properties. In addition, the EPflex Micro Line guidewires can also be used for peripheral interventions, such as a PTA. In this case, primarily Nitinol is used for flexible wire behavior.

TECHNICAL DETAILS

- Stainless steel core wire provides high stiffness
- Nitinol core wire for flexibility
- PTFE coated or uncoated shaft
- Tungsten or platinum spring for particularly good X-ray visibility at the wire tip

STANDARD DIMENSIONS

Length	Diameter
190 cm (PTCA)	0.014"
60 - 260 cm (PTA)	0.014" - 0.025"



HYDRO LINE

A hydrophilic surface makes the Hydro Line particularly lubricious after activation. The Nitinol core wire also ensures that the product is highly kink-resistant and flexible.

TECHNICAL DETAILS

- Straight or angled tip
- Nitinol core wire
- Regular or high stiffness
- Hydrophilic coating over complete length
- Only available without EPflex certification in vascular surgery

STANDARD DIMENSIONS

Length	Diameter
150 - 260 cm	0.035"



MR LINE

EPflex is the world’s first company to certify a wire that can be used under MR conditions. With our patented design, the wire is break-resistant and stiff, as well as having particularly good MR-visibility over its entire length.

With this innovative product solution, we want to contribute as a pioneer in the industry to advance MR-guided interventions and to reduce the X-ray exposure of patients.

TECHNICAL DETAILS

- Fiber composite as core material
- Different levels of stiffness available
- Radiopaque at the tip
- MR Conditional at 1.5 T and 3.0 T
- MR-visible over the complete length
- Non-magnetic and non-conductive

STANDARD DIMENSIONS

Length	Diameter
150 - 260 cm	0.035"







EPflex is one of the world's leading manufacturers of components for minimally invasive medicine.

We develop and produce guidewires and stone retrieval devices of the highest quality for various procedures – made in Germany.

With our innovative medical products, we push the boundaries of minimally invasive surgery every day. For patients, this means shorter procedures, less pain and faster recovery.

OUR MANUFACTURING TECHNOLOGIES

- Coating (PTFE, hydrophilic, ...)
- Electrochemical Marking
- Electropolishing
- Gluing
- Grinding
- Laser Marking
- Sandblasting
- Shrinking
- Turning & Milling
- Welding (Laser & Plasma)
- Wire Forming

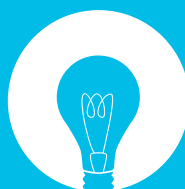
FURTHER BROCHURES



GASTRO



PACKAGING



R&D



URO

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