

Optinova Braided Shafts

Solutions for Medical Applications.



Optinova's braided shafts are customized to your design requirements. We offer braided shafts with consistent quality and advanced secondary operations, such as tip-bonding and centerless grinding.



Key advantages

- **Highly Customizable:** Ability to meet different levels of torquability, pushability, kink resistance, flexibility and burst strength by customizing braid design and resin.
- **Consistent Quality:** Spark test and tensile test executed on every batch to ensure highest level of quality. Ability to design tests to meet product quality expectations.
- **Atraumatic Tip Assembly:** choose between overlap or butt welding of non-braided tips with various durometer materials. Overlap bonding enhances bond strength.
- **Centerless grinding of OD:** keeps OD tolerance tight and the smooth surface enhances physician and patient experience. Combined with tip assembly (when required) for a smooth surface end to end.

Applications

- Electrophysiology catheters
- CRM lead replacement catheters
- Endoscopic delivery devices
- Structural heart delivery devices

Optinova's **decades of customization with superb customer service** in combination with our **commitment for quality** at every step of production make us a **scalable solution** for high performing **catheter applications**.

Technical specifications

Diameter range:

OD 3 Fr - 24 Fr

Wall thicknesses 0,15 mm - 0,70 mm

Material Inner Layer:

TPE-A (Peba), PE, PA, PBT, FEP, TPE-U (PUR)

Material Outer Layer:

TPE-A (Peba), PE, PA, PBT, TPE-U (PUR)

Custom compounds, BaSO₄, Bi₂O₃

Braid Material:

304SS, 316SS, Polyester, Polyamide

Wire Patterns:

1/2/2, 2/2 (diamond), 1/1

Round Braid Wires:

0,038 - 0,10 mm (0,0015" - 0,004")

Flat Braid Wires:

0,013 mm x 0,051 mm (0,0005" x 0,002")

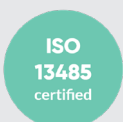
0,051 mm x 0,178 mm (0,002" x 0,007")

Braid Density:

0-130 PPI

For more technical information, please contact us at our sales offices or visit our website: [optinova.com/contacts](https://www.optinova.com/contacts)

Medical-grade certifications



**We empower customers
through highly reliable
tubing solutions.**



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Founded in 1971, Optinova is a world-leading extrusion partner for advanced medical and industrial tubing. With sales offices around the world and four extrusion plants in Finland, Thailand, and the US, we are serving partners from 50+ countries across industries.

Contact Us

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