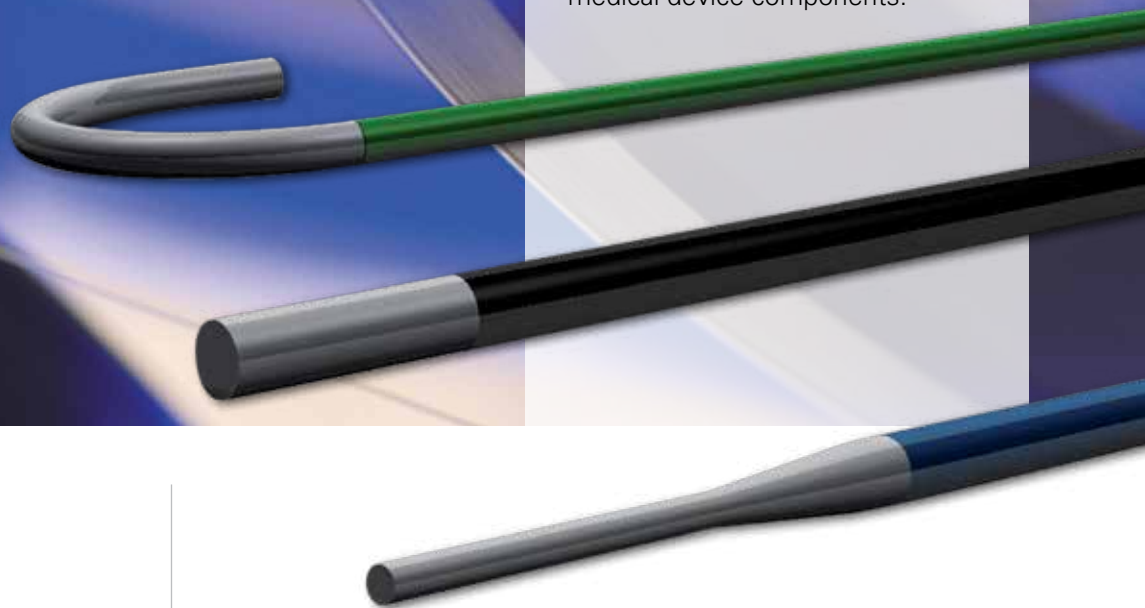


# Coated Mandrels and Stylets

The Merit proprietary spool-to-spool coating process provides extremely uniform coatings for exceptional medical device components.



*Mandrel Detail*

With proven control over coating thickness, Merit Medical guarantees mandrels that provide consistent diameters, tight tolerances and smooth, low-friction surfaces required to design and deliver catheter tube ID solutions with ideal characteristics and superior release properties. Merit's mandrels are available in a variety of diameters and base materials, including stainless steel, nitinol and copper. Our unique continuous spool-to-spool coating process makes it possible to apply PFOA-free PTFE coatings to nitinol and other materials without compromising their elastic properties. Merit Medical can deliver your coated mandrel wires in a variety of ways, including on-spool, straightened and cut to specific lengths. Additionally, a variety of manufacturing and finishing processes are available, including laser ablation, laser-cut, rounded and tapered ends.

# Coated Mandrels and Stylets Specifications



Tapered stylet

Merit Medical pioneered and continues to perfect the technology of reel-to-reel wire and polymer tube coating. These extremely detailed processes ensure the very highest levels of quality coated wire and tubing.

## Key Characteristics

- Smooth surface
- Ultra-thin, well-defined coating
- Extremely consistent diameter
- Tight coating tolerance (2.5µm – 5.0µm)
- End shaping (uncoated skive, tapered section, bent or rounded ends)

## Technical Information

### Finishes and Finishing Processes

- Finishes: rounded, square-cut, tapered and bent ends
- Processes: grinding, laser ablation, cut-to-length, spool-to-spool coating

### Diameter Range

- 0.127mm - 1.0mm (.005" - .039")
- 0.254mm – 1.4mm (.01" - .055") for copper; only on spool

### Coating Options, Thicknesses and Colors

- PFOA-free PTFE LubriSkin™, DuraSkin™, HardSkin™
- 4µm - 10µm (.00016" - .0004") per side
- Other coating thickness on request
- Black, Blue, Clear, Green, Gray

### Base Materials

- Stainless Steel Wire (304, 304V, 304LVM, SS302, SS304V SLT®\*)
- Nitinol
- Copper
- Other materials on request

### Delivery Options

- On spool
- Straight and cut-to-length

### Applications

- Release and Bonding Mandrels
- Coated Extrusion Needles
- Neuro-Probes
- Neurological Delivery Stylets



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