



## TFX OEM® BRAIDED CATHETER SHAFT

### AT A GLANCE

- Teleflex Medical OEM is a global leader in the manufacture of braided catheter shafts.
- Shafts can be provided with or without thermally fused tip stems and atraumatic tips.
- Custom sizes, lengths, and colors are available.
- Full range of material tensile strengths.

### LINER MATERIALS

- PTFE
- FEP
- HDPE
- Nylon
- Pebax®
- Customer specified material

### JACKET MATERIALS

- Nylon
- Pebax®
- Polyurethane
- Customer specified material

### RADIOPAQUE FILLERS

- Barium Sulfate
- Bismuth Subcarbonate
- Bismuth Trioxide
- Tungsten

Please note: Load up to 40% depending on filler and resin type.

### TENSILE STRENGTH

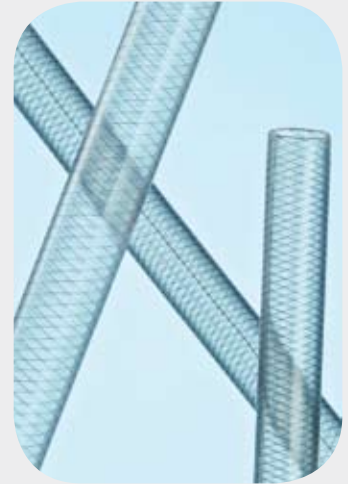
Full range of material tensile strengths are available from annealed to full hard.

### BRAID MATERIALS

- 304 stainless steel
- 316 stainless steel
- MP-35
- Nitinol
- Nylon
- Polyester

### DIMENSIONS

- OD range: 0.026" (0.66mm) to 0.500" (12.7mm).
- Wall thickness: 0.005" (0.127mm) to 0.040" (1.016mm).



## BRAID WIRE DIAMETER (STAINLESS STEEL)

Round Wire		Flat Wire	
inch	mm	inch	mm
.001	0.025	0.0005 x 0.0025	0.013 x 0.064
0.0015	0.038	0.0007 x 0.003	0.018 x 0.076
0.002	0.051	0.0007 x 0.005	0.018 x 0.127
0.0025	0.064	0.001 x 0.003	0.025 x 0.076
0.003	0.076	0.002 x 0.007	0.051 x 0.178
0.004	0.102		

### BRAID WIRE DENSITY

Braid wire density is described as Picks Per Inch (PPI), which is the number of wire crossovers per inch of shaft.

Teleflex Medical OEM can supply up to 250 PPI (depending on wire and tube sizes).

### BRAID PATTERNS

- **Regular** - This common pattern uses 16 wires in a one under two, over two pattern.
- **Diamond** - This pattern also uses 16 wires in a two wire under two, over two pattern. The diamond pattern tends to provide better torque and more kink resistance than the standard pattern but at a slightly higher cost.
- **Diamond, Half Load** - By utilizing half the number of wires, the diamond pattern can be produced in a one wire under one, over one pattern. The half-load provides more torque than the regular diamond pattern but incurs a much higher cost due to the reduced wire load.

### PARTNER WITH TELEFLEX MEDICAL OEM

You need to develop and manufacture new products but have limited internal resources. Teleflex Medical OEM is ready to help. We have the experience, deep expertise, and extensive, in-house capabilities to take your project from concept to completion.

Whether you need a component or a finished medical device, Teleflex Medical OEM should be your product development and outsourcing partner. Along with our “can-do” attitude, we offer engineering expertise, extensive prototyping and manufacturing capabilities, regulatory services, and a dedication to customer service.

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