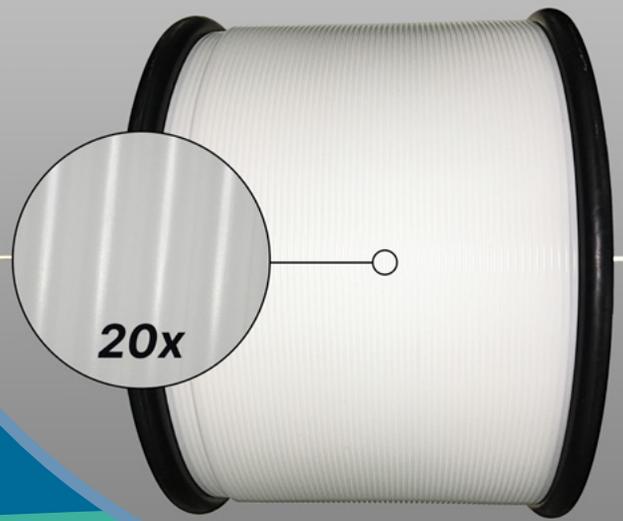


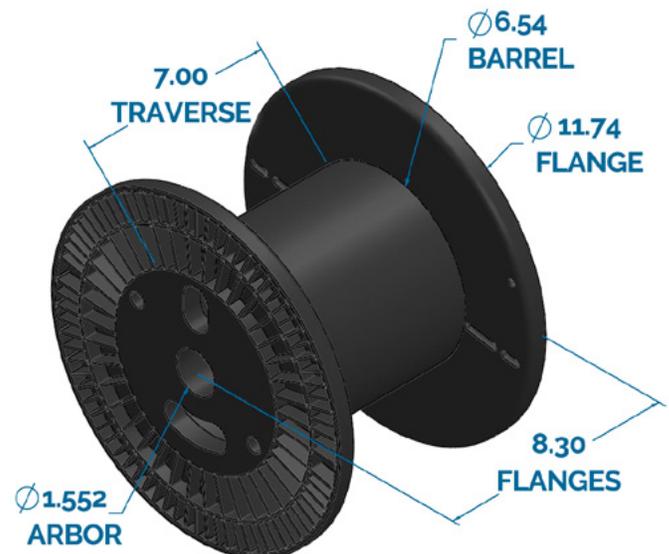
Core Mandrel / Solid Rod Extrusion

Acetal mandrels are used as a manufacturing aide for braid or coil reinforced catheter tubing



Mandrel Specifications

- Sizes range from 0.010"-0.250"
- Tolerances \geq to ± 0.0005
 - Sizes under .101" are ± 0.0005
- Highly consistent diameter, roundness, and smooth surface for easy remove with low release force
- Optional Level Wind on Mandrels $> \varnothing 0.070$ "
 - Level winding maximizes the amount of material on the spool
 - Assists with consistent flow and improved process performance when unwinding the core during the braiding process
- Samples available upon request



Materials

- Premium layered plain acetal mandrel
- Premium layered acetal blend with silicone surface
- Acetal or silicone acetal layer (small OD) with stainless steel wire reinforcing
- Economy version
 - Silicone mandrels provide enhanced frictional properties and significantly improved release characteristics, resulting in a lower release force for catheter development