Building on industry-leading capabilities, Polymicro nano-Capillary tubing delivers cost-effective, high-performance capillary tubing with internal diameters ranging from 200 to 1000 nanometers for Scientific, Industrial and Medical applications.

**Features and Benefits**

| Sub-1µm ID capillary tubing | • Offers potential for single molecule analysis  
|                           | • Utilizes round channel geometry  
|                           | • Assures accurate dimensions through SEM verification  
| Pure synthetic fused silica capillary | • Mirror-smooth interior surfaces for stable flow of liquids and gases  
|                               | • Low metal ion content provides an inert inner surface  
|                               | • Facilitates efficient cleaving or cutting for custom lengths of tubing  
| Polymide coating | • Offers excellent abrasion resistance during handling and usage  
|                  | • Resists temperatures up to +350°C with standard coating  
|                  | • Allows product flexure with superior bend radius  
| Industry-standard OD dimension | • Interfaces easily with existing fitting technologies  
|                               | • Provides significant advantages in prototyping and system optimization  
| Custom options available | • Boosts design efficiency and can be tailored to virtually any application  

**Applications**

**Scientific**
- Analytical Chemistry
- Chromatographic Techniques
- Nano-Fluidics
- On-Column Monitoring
- Evanscence Based Sensing
- Coaxial Light and Fluidic Devices

**Industrial**
- Package Leak Testing
- Evaporative Cooling Systems
- Petroleum Analysis
- Catalytic Research

**Medical**
- Precision Drug Delivery
- Flow Control Systems
- Clinical and Diagnostics Devices
- Wearable Drug Delivery Devices Scientific
Polymicro
nano-Capillary
Fused Silica Capillary Tubing

Product Overview

<table>
<thead>
<tr>
<th>Material Number</th>
<th>Product Description</th>
<th>Inner Diameter (nm)*</th>
<th>Outer Diameter (um)</th>
<th>Coating Thickness (µm)</th>
<th>nano-Capillary Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>106815-0033</td>
<td>TSP000.2375NC</td>
<td>200 +200/-100</td>
<td></td>
<td>363 ± 10</td>
<td>Up to 10m per spool Max.</td>
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<tr>
<td>106815-0035</td>
<td>TSP000.6375NC</td>
<td>600 ± 200</td>
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<td>20</td>
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<tr>
<td>106815-0037</td>
<td>TSP001.0375NC</td>
<td>1000 ± 500</td>
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</table>

*Tolerances listed are target values. Individual spools up to 10m lengths are sorted based on the average ID values; actual ID’s recorded on the spools may deviate beyond the target tolerances listed.

Capillary Accessories

Cleaving Stones

This is a tool designed for cutting capillary tubing and optical fiber. Capillary can be cleaved to any desired length. (When used properly it produces a Standard Cleave: Can be used to produce a Rough Cut.)

Custom Logos printing available

MOQ – 10 pieces

Accessories Overview

<table>
<thead>
<tr>
<th>Material Number</th>
<th>Product Description</th>
<th>Image</th>
<th>Material</th>
<th>Dimensions</th>
<th>Package Size</th>
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</thead>
<tbody>
<tr>
<td>106868-0064</td>
<td>Cleaving Stone</td>
<td>Polymicro</td>
<td>Ceramic Tile</td>
<td>1&quot; x 1&quot; x 1/32&quot;</td>
<td>Individual</td>
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</tbody>
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