**Technical Data**

**Fiber Types:**
- All Silica Optical Fiber
- Hard Clad Optical Fiber
- Step Index Multimode

**Buffer Types:**
- Acrylate
- Nylon
- Aluminum
- Polyimide
- Gold
- Tefzel

**Core Sizes:**
- 50μm
- 100μm
- 200μm
- 300μm
- 400μm
- 600μm
- 800μm
- 1000μm

**Numerical Aperture (NA):**
- 0.12
- 0.22
- 0.26
- 0.37

**Wavelengths:**
- High OH:
  - UV Vis: 190nm – 1250nm
- Low OH:
  - UV Vis – IR: 300nm – 2400nm

**Assembly Types:**
- Single Fiber Assemblies

**Second End Connector Types:**
- 905 SMA
- FC/PC
- ST/PC
- Cleaved Ends
- Polished Ends
- Round 2.5mm Ferrule
- FD-80 High Power Connector
- 905 High Power Connector
- Custom Connectors

**Certifications:**
- FDA Registered
- ISO 9001:2015
- ISO 13485:2016

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**Shaped Tip Assemblies**

Shaped Fiber Tip Assemblies provide optimum control over beam delivery and/or increased efficiency of light collection. Fiberguide offers standard configurations as well as custom designed Shaped Tip Fiber Assemblies. Fiberguide’s experienced engineering team, industry leading fiber processing techniques, and proprietary design software can help enable any custom solution.

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<tr>
<th>Tip Type</th>
<th>Main Uses</th>
<th>Typical Applications</th>
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<tr>
<td>Angled Tip</td>
<td>• Side Fire</td>
<td>• Communications/Pigtailing</td>
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<td></td>
<td>• Output Beam Angle Control</td>
<td>• Diode Coupling</td>
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<td></td>
<td>• Reduced Back Reflection</td>
<td>• Medical Lasers</td>
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<tr>
<td>Ball Tip</td>
<td>• Increased Light Collection</td>
<td>• Laser Delivery for Material Processing</td>
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<td></td>
<td>• Focused Output</td>
<td>• Optical Sensing</td>
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<td>Radiused Tip</td>
<td>• Collimation</td>
<td>• Medical Lasers</td>
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<tr>
<td></td>
<td>• Decreased Beam Output Divergence</td>
<td>• Optical Sensing</td>
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<tr>
<td></td>
<td>• Increased Light Collection</td>
<td>• Surgical Illumination</td>
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<tr>
<td>Conical Tip</td>
<td>• Ring Output</td>
<td>• Medical Lasers</td>
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<tr>
<td></td>
<td>• Adjustable Ring Inner Diameter</td>
<td>• Surgical Illumination</td>
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<tr>
<td></td>
<td>• Increased Divergence</td>
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<tr>
<td>Chisel Tip</td>
<td>• Double, Side Fire</td>
<td>• Diode Coupling (many applications)</td>
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<tr>
<td></td>
<td>• 2 Opposing Output Beams</td>
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<td></td>
<td>• Adjustable Angle Between Beams</td>
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<tr>
<td>Diffuser Tip</td>
<td>• Diffusion</td>
<td>• Medical Lasers (wider treatment area)</td>
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<tr>
<td></td>
<td>• Uniform Illumination</td>
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</tbody>
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