

Sculpted Silica Fiber Tips

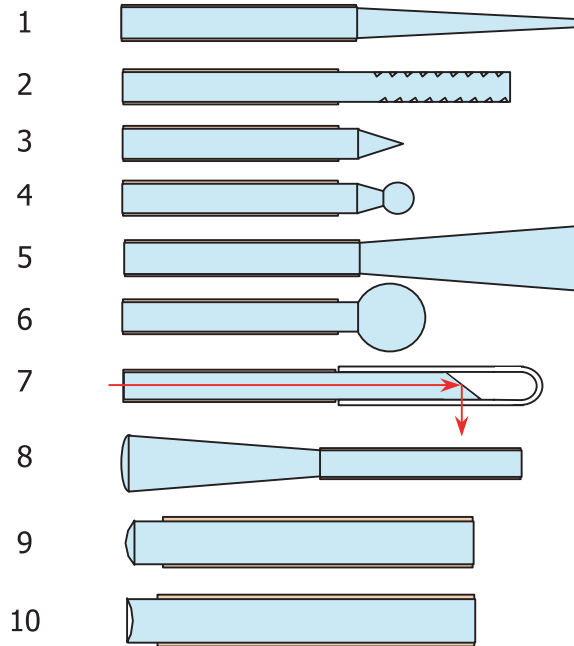
- Beam Shaping
- Energy Coupling
- Integrated Features



Reshaping the World of Optical Fiber End Tips ... Polymicro Technologies, has the high-tech solution to your optical light beam distribution and positioning needs. Micro-Components, such as those illustrated here, can be supplied integral to our synthetic fused silica fiber or as a separate component.

Dimensions are typical of silica optical fiber dimensions. Diameters range up to approximately 2mm. The illustrations are not to exact scale. These are only a few examples that we have done; let us help you design a new one.

	Shape - Use or Characteristic
1	Minifying Taper – decollimator
2	Threaded Diffuser – light diffuser
3	Cone Tip – concentrator-radiator
4	Minifier Combined With Sphere – focusing or collimating
5	Magnifier End – collimator
6	Integral Spherical Lens End – focusing
7	Side-fire Laser End Tip – right angle “soft beam”
8	Focused Taper – high energy laser beam insertion
9	Integral Positive Lens
10	Integral Negative Lens



Note: Output beam profile dependent on input characteristics.



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV

ISO 9001:2000

18019 N. 25th Avenue • Phoenix, AZ 85023-1200
Voice: (602) 375-4100 Fax: (602) 375-4110
E-Mail: sales@polymicro.com
URL: <http://www.polymicro.com>

- Flexible Capillary
- Multimode Optical Fiber
- Specialty Assemblies
- Micro-Components