



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	400µm
100µm	600µm
200µm	800µm
300µm	1000µm

Numerical Aperture (NA):

0.12	0.26
0.22	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:

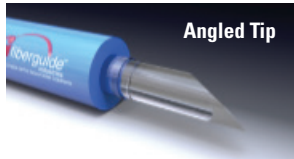

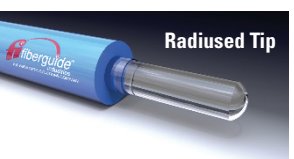

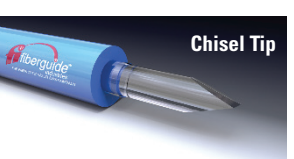
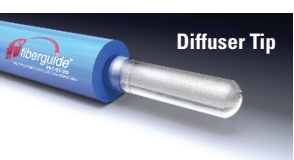
905 SMA
FC/PC
ST/PC
Cleaved Ends
Polished Ends
Round 2.5mm Ferrule
FD-80 High Power Connector
905 High Power Connector
Custom Connectors

Certifications:

FDA Registered
ISO 9001:2015
ISO 13485:2016



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.

Tip Type	Main Uses	Typical Applications
 <p>Angled Tip</p>	<ul style="list-style-type: none"> • Side Fire • Output Beam Angle Control • Reduced Back Reflection 	<ul style="list-style-type: none"> • Communications/Pigtailing • Diode Coupling • Medical Lasers
 <p>Ball Tip</p>	<ul style="list-style-type: none"> • Increased Light Collection • Focused Output 	<ul style="list-style-type: none"> • Laser Delivery for Material Processing • Optical Sensing
 <p>Radiused Tip</p>	<ul style="list-style-type: none"> • Collimation • Decreased Beam Output Divergence • Increased Light Collection 	<ul style="list-style-type: none"> • Medical Lasers • Optical Sensing • Surgical Illumination
 <p>Conical Tip</p>	<ul style="list-style-type: none"> • Ring Output • Adjustable Ring Inner Diameter • Increased Divergence 	<ul style="list-style-type: none"> • Medical Lasers • Surgical Illumination
 <p>Chisel Tip</p>	<ul style="list-style-type: none"> • Double, Side Fire • 2 Opposing Output Beams • Adjustable Angle Between Beams 	<ul style="list-style-type: none"> • Diode Coupling • Medical (many applications)
 <p>Diffuser Tip</p>	<ul style="list-style-type: none"> • Diffusion • Uniform Illumination 	<ul style="list-style-type: none"> • Medical Lasers (wider treatment area)

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