



Technical Data

Fiber Types:

All Silica Optical Fiber
Step Index Multimode
Hard Clad Optical Fiber

Buffer Types:

Polyimide Gold
Nylon Aluminum
Tefzel Acrylate

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

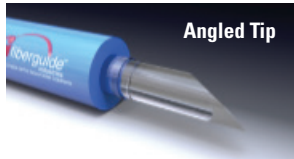

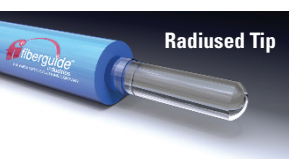

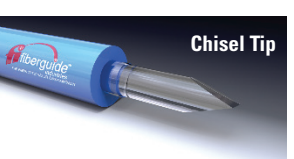
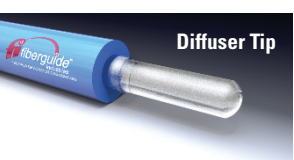
Second End Connector Types:

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:

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
	<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
	<ul style="list-style-type: none"> • Increased Light Collection • Focused Output 	<ul style="list-style-type: none"> • Laser Delivery for Material Processing • Optical Sensing
	<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
	<ul style="list-style-type: none"> • Ring Output • Adjustable Ring Inner Diameter • Increased Divergence 	<ul style="list-style-type: none"> • Medical Lasers • Surgical Illumination
	<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)
	<ul style="list-style-type: none"> • Diffusion • Uniform Illumination 	<ul style="list-style-type: none"> • Medical Lasers (wider treatment area)



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