

# FIBER-OPTIC COLLIMATORS

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## Twist-On Collimators for VIS-NIR (425 nm - 1550 nm)

**Twist-On Collimators** connect quickly to FC or SMA connectorized fiber cables to produce a collimated beam.

**Twist-On Collimators** contain a micro lens that is designed for diffraction-limited performance. Both surfaces of the lens are antireflection coated, with >98% transmission at the peak wavelength.

Focal compensation for different wavelengths is achieved by a simple hand adjustment of the fine-threaded spring loaded focusing barrel.



<u>Catalog Number</u>	<u>Focal Length</u>	<u>Output Beam Diameter</u>	<u>Clear Aperture</u>	<u>Numerical Aperture</u>
FCC-2- $\lambda$	2 mm	0.5 mm	1.5 mm	0.30
FCC-5- $\lambda$	5 mm	1.0 mm	2.3 mm	0.25
FCC-8- $\lambda$	8 mm	1.6 mm	3.3 mm	0.22

$\lambda$ : When ordering, specify wavelength for AR coatings

**Twist-On Collimators** are available with a choice of different focal length Lenses as follows:

<u>Connector</u>	<u>Focal Length</u>	<u>Fiber Type</u>	<u>Best Collimation Distance at</u>
FC	2 mm	SM	2 cm to 50 cm
FC	5 & 8 mm	SM	5 cm to 1 m
SMA	5 & 8 mm	MM	1 cm to 2 m