

10mm Aperture, 18mm FL UV/VIS Fiber Refocusing Assembly



Fiber Refocusing Assembly

Stock **#88-185** [CONTACT US](#)

-

1

+

C\$497⁰⁰

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Volume Pricing	
Qty 1-10	C\$497.00 each
Qty 11-24	C\$438.20 each
Qty 25-49	C\$413.00 each
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Product Downloads

General

Type:

Refocusing Assembly

Housing Material:

Anodized Aluminum

Note:

Compatible with [#88-180](#), [#88-181](#), [#88-190](#), & [#88-191](#) Fiber Collimators

Physical & Mechanical Properties	
15.88	Diameter (mm):
10.0	Aperture Size:
16.38	Length (mm):
Optical Properties	
Fused Silica (Corning 7980)	Substrate: ☐
190 - 1250	Wavelength Range (nm):
18.00	Focal Length FL (mm):
Environmental & Durability Factors	
-40 to 100	Operating Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 209:
View	Certificate of Conformance:

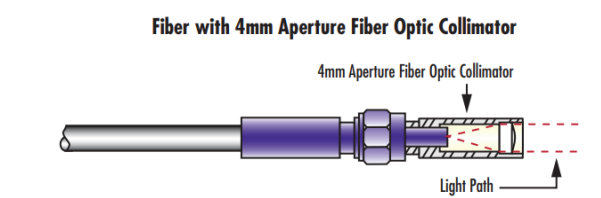
Product Details

- Can Be Coupled to Standard 0.22 NAFiber Optic Cables
- Options Available for UV-VIS or VIS-NIR
- Multiple Focal Length or Aperture Options

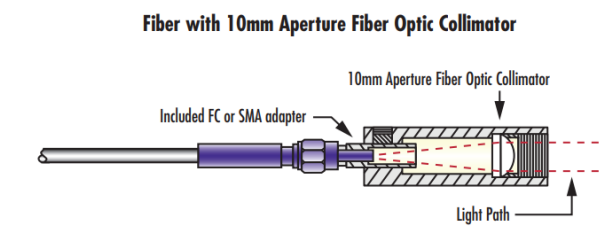
Focusable Collimators consist of two separate components: a fiber optic collimator and a fiber optic refocusing assembly. The fiber optic collimator utilizes a PCX lens positioned at the focal length from the optical fiber tip. These collimators are available with FC or SMA threads, and easily couple to standard 0.22 NA fiber optic cables. Focusable Collimators expand the beam and decrease the divergence by the ratio of the fiber core diameter to the collimator aperture. Fiber optic refocusing assemblies mount directly to the fiber optic collimator and allow for optimal focus at a given distance.



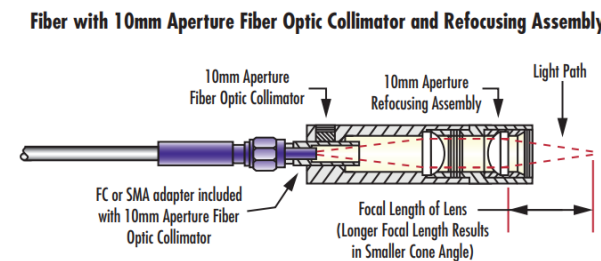
Technical Information



The 4mm Aperture Fiber Optic Collimator threads directly onto FC or SMA fiber.



Each 10mm Aperture Fiber Optic Collimator includes an FC or SMA adapter that is inserted into the collimator and locked by a set screw.



A 10mm Aperture Refocusing Assembly can then be directly threaded onto the 10mm Aperture Fiber Optic Collimator.

Collimator Description	Stock Number	Compatible Refocusing Assembly
4mm Aperture UV/MS Fiber Optic Collimator, FC	#88-189	No Compatible Refocusing Assemblies
4mm Aperture UV/MS Fiber Optic Collimator, SMA	#88-173	No Compatible Refocusing Assemblies
4mm Aperture VIS/NIR Fiber Optic Collimator, FC	#88-188	No Compatible Refocusing Assemblies
4mm Aperture VIS/NIR Fiber Optic Collimator, SMA	#88-172	No Compatible Refocusing Assemblies
10mm Aperture UV/MS Fiber Optic Collimator, FC	#88-191	#88-182 , #88-183 , #88-184 , #88-185 , #88-186 , & #88-187
10mm Aperture UV/MS Fiber Optic Collimator, SMA	#88-181	#88-182 , #88-183 , #88-184 , #88-185 , #88-186 , & #88-187
10mm Aperture VIS/NIR Fiber Optic Collimator, FC	#88-190	#88-182 , #88-183 , #88-184 , #88-185 , #88-186 , & #88-187
10mm Aperture VIS/NIR Fiber Optic Collimator, SMA	#88-180	#88-182 , #88-183 , #88-184 , #88-185 , #88-186 , & #88-187