

Fused Silica Fiber Collimators



Features

- 200nm to 2100nm
- All fused silica design
- Adjustable focus
- Low wavefront error
- No epoxy in the optical path

Applications

- Spectroscopy
- Accelerators
- Nuclear power plants
- Space

The FC5S and FC10S Fused Silica version have a multi-element design that gives a highly collimated, clean Gaussian beam with low wavefront error.

All optics used are laser quality to minimize scatter in the UV region and tolerate high power lasers. The adjustable focus feature allows the collimators to be optimized for your wavelength and be locked down. Besides collimation, these collimators can also focus to a very tight spot at a large distance or expand to illuminate an area.

These fiber collimators are available without coating or with a broadband AR coating.

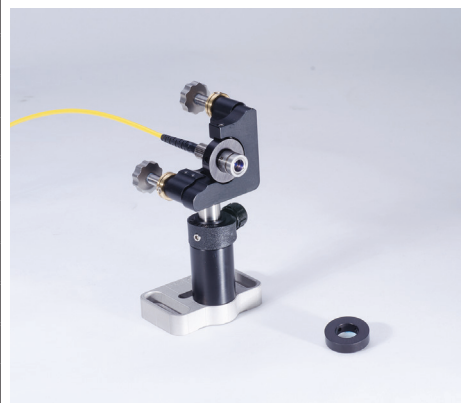


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Specifications

	FC5S	FC10S
Wavelength range:	180 - 2100 nm	180 - 2100 nm
Aperture size:	6 mm	10 mm
Beam size:	2 mm	5.5 mm
Beam divergence:	<0.5 mrad	<0.25 mrad
Wavefront error, $1/e^2$ points rms:	<1/10 wave	<1/10 wave
Receptacle:	FC or FC/APC	FC or FC/APC
Collimation:	Adjustable, 80 tpi	Adjustable, 80 tpi
Locking:	yes	yes
Housing:	Stainless steel	Stainless steel
Weight:	45 g (1.6 oz.)	85 g (3.0 oz.)



Ring adapters

Ordering Information

Model #	Description
FC5S-NC-FC	FC5S with no coating and FC receptacle
FC5S-NC-APC	FC5S with no coating and FC/APC receptacle
FC5S-YAG-FC	FC5S with YAG region coating and FC receptacle
FC5S-YAG-APC	FC5S with YAG region coating and FC/APC receptacle
FC10S-UV-FC	FC10S coated for 245 - 450nm with FC receptacle
FC10S-UV-FC	FC10S coated for 245 - 450nm with FC/APC receptacle
Accessories	
FC5R-1.0	Ring adapter to mount FC5S onto any 1 inch optical mounts
FC10R-1.0	Ring adapter to mount FC10S onto any 1 inch optical mounts

Please call or email for other wavelength ranges, titanium housing or pigtailed versions

Specifications subject to change without notice.



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