

# Collimators

## For optical systems

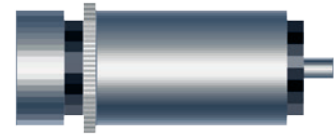
CeramOptec®'s collimators and focusing beam-shaping devices for optical systems are ideal for a wide range of wavelengths. Three convenient sizes accommodate nearly any size fiber: Small for fibers up to 400 microns, Medium for fibers up to 800 microns, and Large for larger fibers. Medium and Large collimators and focusing devices are compatible with each other.

Glass lenses (BK-7) are composed of high quality optical glass and are ideal for applications within 350 – 2000 nm. Ideal for stable temperature applications and most chemical environments, BK-7 lenses are a cost-effective alternative to silica lenses.

Ultraviolet grade fused silica lenses offer radiation resistance and exceptional performance for deep UV transmission down to 190 nm.

### Physical Data

<b>Large Collimator</b>	
Length	59,18 mm
Diameter	31,75 mm
Material	anodized aluminum
<b>Large Focusing Device</b>	
Length	25,40 mm
Diameter	31,75 mm
Material	anodized aluminum
<b>Medium Collimator</b>	
Length	40,64 mm
Diameter	19,00 mm
Material	anodized aluminum
<b>Medium Focusing Device</b>	
Length	12,70 mm
Diameter	19,00 mm
Material	anodized aluminum
<b>Small Collimator</b>	
Length	23,50 mm
Diameter	6,35 mm
Material	stainless steel
<b>Small Focusing Device</b>	
Length	6,35 mm
Diameter	6,35 mm
Material	stainless steel



### Headquarter

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### Production sites

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## Specifications

Part Number	Function	Lens	Focal Length (mm)
<b>Small: 5 mm Lens Diameter / 4.0 mm Aperture</b>			
COL-SMA-BK7-5.0mm	Collimator	BK-7	N/A
FD-SMA-BK7-5.0mm-F5	Focusing Device	BK-7	5
FD-SMA-BK7-5.0mm-F10	Focusing Device	BK-7	10
FD-SMA-BK7-5.0mm-F15	Focusing Device	BK-7	15
COL-SMA-SIL-5.0mm	Collimator	Silica	N/A
FD-SMA-BK7-5.0mm-F10	Focusing Device	Silica	10
FD-SMA-BK7-5.0mm-F15	Focusing Device	Silica	15
FD-SMA-BK7-5.0mm-F20	Focusing Device	Silica	20
<b>Medium: 12.7 mm Lens Diameter / 10.0 mm Aperture</b>			
COL-SMA-BK7-12.7mm	Collimator	BK-7	N/A
FD-SMA-BK7-12.7mm-F20	Focusing Device	BK-7	20
FD-SMA-BK7-12.7mm-F25	Focusing Device	BK-7	25
FD-SMA-BK7-12.7mm-F40	Focusing Device	BK-7	40
COL-SMA-SIL-12.7mm	Collimator	Silica	N/A
FD-SMA-SIL-12.7mm-F20	Focusing Device	Silica	20
FD-SMA-SIL-12.7mm-F25	Focusing Device	Silica	25
FD-SMA-SIL-12.7mm-F40	Focusing Device	Silica	40
<b>Groß: 25,4 mm Linsendurchmesser / 22,2 mm Apertur</b>			
COL-SMA-BK7-25.4mm	Collimator	BK-7	N/A
FD-SMA-BK7-25.4mm-F40	Focusing Device	BK-7	40
FD-SMA-BK7-25.4mm-F50	Focusing Device	BK-7	50
FD-SMA-BK7-25.4mm-F75	Focusing Device	BK-7	75
COL-SMA-SIL-25.4mm	Collimator	Silica	N/A
FD-SMA-SIL-25.4mm-F40	Focusing Device	Silica	40
FD-SMA-SIL-25.4mm-F50	Focusing Device	Silica	50
FD-SMA-SIL-25.4mm-F75	Focusing Device	Silica	75

Notes: Collimators have SMA compatible connectors. ST or FC interfaces are available at additional cost. To order, please replace "SMA" of product code with "ST" or "FC". Example: FD-ST-SIL-25.4mm-F76

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